

AH diagnostics

AN EXTRAORDINARY ADVENTURE

MOLECULAR BIOLOGY



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AN EXTRAORDINARY ADVENTURE



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• Bead homogenisers	130 to 134
• Grinder/Homogeniser	134 and 135
• Dispersion grinders	136 to 138
• Purification Robotic Workstation	138
• Deepwell Plates for machines	139
• Fluorometer	140
• Thermal cyclers	140 to 148
• Electrophoresis: cuvettes, generators, gels, accessories	149 to 173
• Electroporation	173
• Ultrafiltration, centrifugal filtration, protein purification, concentrators, SARTORIUS Vivaflow filtration, MERCK MILLIPORE Multiscreen	174 to 181
• Filtering tubes	182 and 183

TIP



Filter tips and gel tips can be found in the chapter TIPS- MICROPIPETTES

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• Decontamination of surfaces and instruments	186
• Collection, transport and storage of nucleic acid samples	187 and 188
• Nucleic acid electrophoresis	
Agarose,	189 to 191
Pre-cast gels,	192
Buffers,	192 and 193
Gel cutting accessories	193 and 194
• Blotting, hybridization and revelation	
Membranes and blotting papers for nucleic acids,	195 and 196
Membranes and blotting papers for proteins,	197 to 199
Revelation,	200 to 203
Accessories	204 to 207
• Reagents and chemicals for Molecular Biology and Biochemistry grades	207
• Alternatives to alkylphenol ethoxylate detergents	208
• PCR Microtubes	209 to 219
• PCR Plates	220 to 234
• PCR Films	235 to 240

OMNI Mini Bead Ruptor 4 Bead Homogeniser



- 4 tubes of 0.5 ml, 1.5 ml or 2 ml, or 1 tube of 7 ml can be homogenised simultaneously
- Supplied with 0.5/1.5/2 ml tube holder and 7 ml tube holder
- Applications: lysis of human tissues, animal tissues, plants and foods, micro-organisms

Range of volumes	25 µl - 7 ml
Speed (g)	30 - 150
Timer	1 s to 5 min
Dimensions W x D x H (mm)	25.4 x 21.5 x 29.2
Weight (kg):	7.48
Power supply	100-230 V / 50 - 60 Hz
Cat. No.	078160
Price	N/A -

Pre-filled tubes for Omni Bead Ruptor Elite and Bead Ruptor 4 homogenisers

Homogenisation tube and beads

For lysis of all cell types and extractions of nucleic acids, proteins and enzymes, etc.



- **1.4 and 2.8 mm ceramic beads for soft animal, plant and human tissues: brain, liver, skin, leaves, gonad, muscles**
- **2.38 mm metal beads for all types of hard tissue: hair, teeth, bones, seeds, corn, rice, nails, etc.**
- **1 and 0.5 mm glass beads for microorganisms: spores, moulds, yeast, *escherichia coli* bacteria, ...**
- **0.15 mm and 0.7 mm garnet beads for soil, clay and sediment samples**
- **0.15 mm and 0.25 mm carbide beads for microbiological RNA and soil sample**

Pre-filled tubes and homogenising beads for Omni Bead Ruptor Elite and Bead Ruptor 4 homogenisers

Tube volume (ml)	Beads	Ø beads (mm)	Applications	Units/box	Cat. No.	Price/box
0.5	Garnet	0.15	Small volume of microorganisms, lysis	50	078101	N/A -
	Carbide	0.25	RNA extraction, microorganisms, homogenisation	50	078103	N/A -
	Ceramic	1.4	Soft tissues, homogenisation	50	078104	N/A -
1.5	Metal	2.38	Hard tissues, mix	50	078176	N/A -
	Glass	0.5	Hard microorganisms, lysis	50	078177	N/A -
	Ceramic	1.4	Soft tissues, homogenisation	50	078178	N/A -
	Ceramic	2.8	Hard tissues, homogenisation	50	078179	N/A -
2	Ceramic	0.1	Micro-organisms, lysis	50	078220	N/A -
	Ceramic	0.1	Micro-organisms, lysis	50	078221*	N/A -
	Ceramic	0.5	Hard microorganisms, lysis	50	078222	N/A -
	Ceramic	0.5	Hard microorganisms, lysis	50	078223*	N/A -
	Ceramic	1.4	Soft tissues, homogenisation	50	078105	N/A -
	Ceramic	1.4	Soft tissues, homogenisation	50	078142*	N/A -
	Ceramic	2.8	Hard tissues, homogenisation	50	078106**	N/A -
	Ceramic	2.8	Hard tissues, homogenisation	50	078141*	N/A -
	Ceramic	1.4 y 2.8	Hard tissues, homogenisation	50	078224	N/A -
	Metal	2.38	Hard tissues, grinding	50	078098**	N/A -
	Metal	2.38	Hard tissues, grinding	50	078143*	N/A -
	Metal	6	Hard tissues, grinding	50	078225**	N/A -
	Glass	0.5	Hard microorganisms, lysis	50	078100	N/A -
	Glass	0.5	Hard microorganisms, lysis	50	078144*	N/A -
	Glass	0.1	Micro-organisms, lysis	50	078099	N/A -
Garnet	0.7	Hard and fibrous tissues, homogenisation	50	078102	N/A -	
7	Metal	2.38	Hard tissues, grinding	50	078180	N/A -
	Ceramic	1.4	Soft tissues, mix	50	078181	N/A -
	Ceramic	2.8	Hard tissues, mix	50	078182	N/A -
	Glass	0.5	Micro-organisms, lysis	50	078234	N/A -
15	Ceramic	2.8	Hard tissues, homogenisation	50	078201	N/A -
30	Metal	2.4	Hard tissues, mix	50	078202	N/A -
	Metal	2.4 and ceramic cylinder 6.35	Hard tissues, mix	50	078203	N/A -
	Ceramic	1.4 and ceramic cylinder 6.35	Soft tissues, homogenisation	50	078204	N/A -
	Ceramic	1.4	Soft tissues, homogenisation	50	078205	N/A -
	Ceramic	2.8	Hard tissues, homogenisation	50	078206	N/A -
	Ceramic	2.8 and ceramic cylinder 6.35	Hard tissues, homogenisation	50	078207	N/A -
50	Ceramic	2.8	Hard tissues, homogenisation	50	078194	N/A -

* Microbial DNA free ** Reinforced wall tube

Single tubes

- **Polypropylene**
- **RNase, DNase free (except 7 ml tubes)**

Tube volume (ml)	Units/box	Cat. No.	Price/box
0.5	500	078186*	N/A -
1.5	500	078183	N/A -
	1000	078184	N/A -
2	500	078115*	N/A -
	500	078114B	N/A -
	1000	078185*	N/A -
	1000	078209**	N/A -
7	500	078188	N/A -
	1000	078124	N/A -
15	100	078231	N/A -
	500	078198	N/A -
30	100	078232	N/A -
	500	078199	N/A -
50	100	078200	N/A -

*Reinforced polypropylene **Low binding



OMNI Bead Ruptor 96 bead homogeniser



- ▶ For bead milling of samples from 25 to 150 ml
- ▶ Up to 384 samples processed by grinding simultaneously (4 Deepwell 1 ml 96-well plates)
- ▶ Compatible with microplates, Deepwell, 0.5/1.5 and 2 ml tubes
- ▶ To be completed with the accessories of your choice (microplate holder, rack for 24 microtubes, stainless steel milling jar of 25 or 50 ml)
- ▶ Beadless shaking up to 576 samples (6 x 96-well microplates)
- ▶ Adjustable stirring frequency (3 to 30 Hz)
- ▶ Time adjustable from 5 seconds to 99 minutes

Range of volumes	< 25 µl to 50 ml
Stirring frequency	3 to 30 Hz
Stirring time	5 sec to 99 min.
Noise level (dB)	< 72
Dimensions W x D x H (mm)	38.1 x 43.18 x 22.86
Weight (kg):	42
Cat. No.	078162
Price	N/A -

Accessories

Cat. No.	Description	Units/box	Price/box
078163	Microplate holder (1 Deepwell 2 ml or 2 Deepwell 1 ml or 3 standard plates)	2	N/A -
078164	Rack for 24 microtubes 1.5 or 2 ml or 24 screw tubes 0.5 or 2 ml	2	N/A -
078165	Stainless steel Milling Jar 25 ml*	2	N/A -
078166	Stainless steel Milling Jar 50 ml**	2	N/A -
078167	Stainless steel bead 10 mm	10	N/A -
078168	Stainless steel bead 25 mm	5	N/A -
078107	Bag of metal beads 2.38 mm, 500 grams	1	N/A -
078172	Bag of stainless steel beads 5 mm, 500 grams	1	N/A -
078173B	Deepwell SBS 96-square-well plate, 2 ml	10	N/A -
078174B	Sealing mat for Deepwell plate	10	N/A -
078175	Pack of 5 x 2 ml Deepwell 96-square-well plates with 1 x 5 mm stainless steel bead per well and 10 sealing mats	1 pack	N/A -
078226	Pack of 2 x 2 ml Deepwell 96-square-well plates with 1 x 0.1 mm ceramic bead per well and sealing mat	1 pack	N/A -
078227	Pack of 10 x 2 ml Deepwell 96-square-well plates with 1 x 0.1 mm ceramic bead per well and sealing mat	1 pack	N/A -
078228	Pack of 10 x 2 ml Deepwell 96-square-well plates with 1 x 1.4 mm ceramic bead per well and sealing mat	1 pack	N/A -
078229	Pack of 2 x 2 ml Deepwell 96-square-well plates with 1 x 1.4 mm ceramic bead per well and sealing mat	1 pack	N/A -

*Operates with a 10 mm stainless steel bead, sample volume from 4 to 10 ml.

**Works with a 25 mm stainless steel bead, sample volume from 8 to 20 ml.



Bullet Blender Bead Homogenisers



Model BB50-DX



Gold models

- ▶ Compatible with microtubes: 1.5 or 2 ml (0 - 300 µl samples), 5 ml tubes (0.1 - 1 ml samples) or 50 ml tubes (0.1 - 3.5 ml samples) depending on model
- ▶ Adjustable homogenisation speed
- ▶ "4 °C cooling" System: maintains samples at 4 °C with the addition of dry ice ("gold" versions)
- ▶ CE certification
- ▶ Supplied with starter kit: bag of different types of beads, scoops and suitable tubes
- ▶ Gold" and "50-DX" versions with digital display and recordable programmes
- ▶ Warranty: 2 years

Model	Storm Pro BT24M	Gold BB24-AU	5E Pro BT5E	5 Gold BB5E-AU	50-DX BB50-DX	50 Gold BB50-AU
Capacity	24 x 1.5 and 2 ml tubes		12 x 5 ml tubes		8 x 50 ml tubes	
Air cooling	√	√	√	√	√	√
4 °C cooling	-	√	-	√	-	√
Compatible with RINO Screw-cap tubes	√	√	-	-	-	-
Digital display	√	√	√	√	√	√
Operating temperature (°C)	4 to 40 (non-condensing)					
Dimensions W x D x H (mm)	34.3 x 25.4 x 22.9	46 x 35 x 38	34.3 x 25.4 x 22.9	46 x 35 x 38	38 x 35 x 38	46 x 35 x 38
Weight (kg):	5	13.6	5	13.6	13.6	13.6
Cat. No.	152081	152047	152082	152049	152044	152050
Price	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Pre-filled tubes

Colour code	Applications	Bead	Ø (mm)	Tube volume (ml)	Tube type	RNase free	Units/box	Cat. No.	Price/box
Green	Soft tissues (muscles)	Stainless steel	50 µl of 0.5 mm beads 50 µl of 0.9 - 2 mm beads	1.5	RINO	No	50	152093	N/A -
						Yes	50	152094	N/A -
						No	250	152095	N/A -
						Yes	250	152096	N/A -
				1.5	Eppendorf safe-lock	No	50	152089	N/A -
						Yes	50	152090	N/A -
						No	250	152091	N/A -
						Yes	250	152092	N/A -
						No	20	152085	N/A -
						Yes	20	152086	N/A -
						No	100	152087	N/A -
						Yes	100	152088	N/A -
Blue	Hard samples (bones, tumours, hard-shelled insects)	Stainless steel	100 µl of 0.9 - 2 mm beads and 5 x 3.2 mm beads	1.5	RINO	No	50	555668	N/A -
						Yes	50	555669	N/A -
						No	250	555670	N/A -
						Yes	250	555671	N/A -
				1.5	Eppendorf safe-lock	No	50	152062	N/A -
						Yes	50	152063	N/A -
						No	250	152064	N/A -
						Yes	250	152065	N/A -
						No	20	555710	N/A -
						Yes	20	555711	N/A -
						No	100	555712	N/A -
						Yes	100	555713	N/A -
Pink	Soft and small samples (liver)	Zirconium oxide	50 µl of 0.5 mm beads and 50 µl of 1 mm beads	1.5	RINO	No	50	555726	N/A -
						Yes	50	555703	N/A -
						No	250	555727	N/A -
						Yes	250	555702	N/A -
				1.5	Eppendorf safe-lock	No	50	555722	N/A -
						Yes	50	555723	N/A -
						No	250	555724	N/A -
						Yes	250	555725	N/A -
						No	20	555718	N/A -
						Yes	20	555719	N/A -
						No	100	555720	N/A -
						Yes	100	555721	N/A -
Red	Soft and large samples	Zirconium oxide	100 µl of 0.5 mm beads and 100 µl of 1 mm beads	1.5	RINO	No	50	555707	N/A -
						Yes	50	555705	N/A -
						No	250	555708	N/A -
						Yes	250	555704	N/A -
				1.5	Eppendorf safe-lock	No	50	555732	N/A -
						Yes	50	555733	N/A -
						No	250	152074	N/A -
						Yes	250	555734	N/A -
						No	20	555728	N/A -
						Yes	20	555729	N/A -
						No	100	555730	N/A -
						Yes	100	555731	N/A -
Yellow	Bacterial lysis	Ceramic	200 µl of 0.15 mm beads	1.5	RINO	No	50	555739	N/A -
						Yes	50	555740	N/A -
						No	250	555741	N/A -
						Yes	250	555742	N/A -
				1.5	Eppendorf safe-lock	No	50	555735	N/A -
						Yes	50	555736	N/A -
						No	250	555737	N/A -
						Yes	250	555738	N/A -
Orange	Bacterial extraction, generation of cell suspensions from tissue samples	Stainless steel	5 x 3.2 mm beads	1.5	RINO	Yes	50	555715	N/A -
						Yes	250	555717	N/A -
				1.5	Eppendorf safe-lock	Yes	50	555714	N/A -
						Yes	250	555716	N/A -

Single tubes

Microtubes 1.5 ml reinforced wall

Reinforced tube for vigorous homogenisation. Screw cap with gasket to prevent sample loss. Recommended for use with metal grinding beads

Ref.	Description	Units/box	Price/box
152051	1.5 ml RINO microtubes, sterile	500	N/A -



Safe-Lock microtubes

Ref.	Description	Units/box	Price/box
033508	Eppendorf Safe-Lock Microtubes 1.5 ml, PCR clean	1000	N/A -
033509	Eppendorf Safe-Lock Microtubes 2 ml, PCR clean	1000	N/A -

Tubes

Ref.	Description	Units/box	Price/box
933008	Eppendorf tubes 5 ml DNase/RNase free, sterile	200	N/A -

Accessories

Cat.No.	Description	Units/bag	Price/bag
152012	Measuring spoons 1.2 ml, single pack, sterile	200	N/A -
152013	Measuring spoons 1.2 ml, single pack, sterile	20	N/A -
152010	Spatulas 50 µl, single pack, DNase/RNase free, PCR clean, antistatic, sterile	50	N/A -



BeadBug™ and BeadBug™ 6 Bead Homogenisers



For homogenisation of samples that are too resistant to vortexing, lysis of all types of cells. Economical alternative to other homogenisers.

- For simultaneous homogenisation of up to 3 (Beadbug™) unskirted 2 ml tubes with screw cap or up to 6 (Beadbug™ 6) x 2 ml tubes or 2 (Beadbug™ 6) x 5 ml* tubes
- Glass beads and stainless steel beads (acid washed) available in pre-filled tubes and in bulk (to be purchased separately)

- Triple Pure nuclease-free zirconium beads (molecular biology grade)
- Warranty: 2 years

Model	Beadbug™
Speed	2700 to 4000 rpm
Capacity	Up to 3 x 2 ml tubes (screw cap, non skirted)
Timer	3 sec to 3 minutes
Dim. L x W x H / Weight	17 x 21 x 13.5 cm / 2.2 kg
Voltage	230 V
Cat. No.	062505
Price	N/A -

Model	Beadbug™ 6
Speed range (m/s)	4 to 7 (in increments of 0.05 m/s)
Capacity	6 x 2 ml tubes or 2 x 5 ml tubes*
Cycle time (sec)	1 to 90
Pause between cycles (sec)	0 to 90 (in 1 sec increments)
Max. number of cycles	10
Noise level (dB)	< 65
Dimensions (cm)	22 x 35.5 x 20.5
Power supply	100 to 240 V, 50-60 Hz
Weight (kg):	9
Cat. No.	062831
Voltage	100 to 240V
Cat. No.	062831
Price	N/A -

*Requires adapter sold separately



Accessories

Cat.No.	Description	Units/box	Price/box
062832	Adapter for 2 x 5 ml tubes for Beadbug™ 6	1	N/A -
062833	5 ml tubes with unmounted cap for homogeniser	500	N/A -

Mini-beadbeater 24 Grinder/homogeniser



- Sturdy and user-friendly disrupter with adjustable grinding time and force
- The tube is shaken in a figure of 8 pattern for better percussion and bead distribution
- Processes 24 samples of up to 400 mg each (0.5 / 1.5 / 2 ml screw tube)
- Adapter for 24 tubes included
- Adapter for 8 x 7 ml tubes available as an option
- Grinding of all types of samples: bacteria, yeast, tissue, hair, bone, tooth..
- Various tubes available: reinforced polypropylene, disposable stainless steel

Timer	0 to 5 minutes
Oscillation speed	2000 to 3450 strokes/min
Oscillation amplitude (cm)	2.22
Dimensions (W x D x H) (cm)	45.72 x 25.4 x 30.48
Power supply	115-230 V, 50/60 Hz
Cat. No.	918007
Price	N/A -

Accessories

➤ XXTuff reinforced polypropylene tube

- Same dimensions as a 2 ml microtube
- Reinforced tube allowing the use of steel beads
- Screw cap with seal

Cat.No.	Description	Units/box	Price/box
918012	XXTUFF 2 ml Tube	500	N/A -
918009	Stainless steel 1.8 ml tube	100	N/A -
918021	Silicone cap for stainless steel tube	100	N/A -

➤ Stainless steel Tube

- Same external dimensions as a 2 ml microtube
- Improves heat exchange and resistance
- Ideal for applications where polypropylene could contaminate the sample
- Recommended for grinding under nitrogen
- Silicone caps are required for grinding dry or frozen samples using steel beads (sold separately)

Beads for grinder/homogeniser

- **Stainless steel:** for plant tissue
- **Carbide:** for microbiological RNA and soil samples
- **Ceramic:** for plant, animal and soft human tissue
- **Garnet:** for hard samples, not suitable for soil samples
- **Metal:** for all types of hard tissues

- **Zirconium oxide:** for high viscosity samples
- **Zirconium silicate:** for spores and most tissues
- **Glass:** for micro-organisms
- **Zirconium:** for hard tissue

Bead tubes

- **Sterile (except 50 ml tubes)**
- **UFO beads:** special shape for grinding fibrous or elastic samples

Bead volume (ml)	Material	Ø (mm)	Units/box	Cat. No.	Price/box
4	Stainless steel	0.2	1	152033	N/A -
		0.5	1	152035	N/A -
		0.9 to 2	1	152037	N/A -
		1.6	1	152052	N/A -
10	Stainless steel	3.2	1	152053	N/A -
		4.8	1	152054	N/A -
		6	1	152056	N/A -
10	Stainless steel	3.5	1	152058	N/A -
50			1	152057*	N/A -
10	- UFO bead	5.6	1	152060	N/A -
50			1	152059*	N/A -
4	Zirconium oxide	0.15	1	152025	N/A -
		0.5	1	152027	N/A -
		1	1	152029	N/A -
		2	1	152031	N/A -
4	Glass	0.1	1	152017	N/A -
		0.5	1	152019	N/A -

* Non sterile.

Triple Pure bead bottles

- **Molecular biology beads,** certified free of RNase, DNase, proteases and nucleic acids

Material	Ø (mm)	Weight (g)	Cat. No.	Price
Zirconium	0.1	250	062809	N/A -
	0.5	250	062776	N/A -
	1	250	062815	N/A -
	1.5	250	062816	N/A -
	3	300	062773	N/A -

Bags of beads

Material	Ø (mm)	Weight (g)	Cat. No.	Price
Stainless steel	0.2	450	152032	N/A -
	0.5	450	152034	N/A -
	0.9 to 2	450	152036	N/A -
	1.6	450	152038	N/A -
	2.3	450	555743	N/A -
	3.2	450	152039	N/A -
	4.8	450	152040	N/A -
	6	450	152055	N/A -
Ceramic	1.4	325	078112	N/A -
	2.8	325	078113	N/A -
	6.5	325	078219	N/A -
Garnet	0.15	500	078110	N/A -
	0.7	500	078111	N/A -
Metal	2.38	500	078107	N/A -
Zirconium oxide	0.15	450	152024	N/A -
	0.5	450	152026B	N/A -
	1	450	152028	N/A -
	2	450	152030	N/A -
	2.5	450	152080	N/A -
Zirconium silicate	0.1	450	918006	N/A -
	0.5	450	918000	N/A -
	0.5	450	555744	N/A -
	1	450	152022	N/A -
		450	918015	N/A -

Material	Ø (mm)	Weight (g)	Cat. No.	Price
Glass	0.1	375	079052	N/A -
		400	078108	N/A -
		450	152016	N/A -
		450	918004	N/A -
	0.5	375	079053	N/A -
		400	078109	N/A -
		450	152018	N/A -
		450	918014	N/A -
		450	152020	N/A -
		450	068499	N/A -
	1	1000	068500	N/A -
		1000	068501	N/A -
		1000	068502	N/A -
		1000	068503	N/A -
		1000	068504	N/A -
		1000	068505	N/A -
10	1000	068555	N/A -	
	1000	068555	N/A -	
Zirconium	2	450	918016	N/A -

TissueMaster-125 Omni Homogeniser



- Power: 125 W
- Economical for samples from 0.25 to 30 ml
- Variable speed motor from 5 000 to 35 000 rpm
- Supplied with a 7 mm x 85 mm C189 dispersion rod
- Most samples are dispersed in less than a minute
- Easy to clean and dismantle
- Portable and lightweight
- To be handled by hand or mounted on a stand
- CSA, UL and CE C196 standards
- Noise below 72 dB
- 1 year warranty for the motor

Cat. No.	Description	Price
078053	TissueMaster-125 Homogeniser with rod 7 x 85 mm	N/A -

TH Omni Homogeniser



- To be held in the hand or on a stand
- For samples from 0.05 to 100 ml
- Lightweight, ergonomic
- Supplied with probe/dispersion rod assembly tool and manual
- 125 W motor
- Mounting of EZ connect stainless steel probes with 1/4 revolution bayonet
- Noise limited to 72 dB
- Variable speed from 5 000 to 35 000 rpm
- CE and CSA certified

TH pack with TH 220 V homogeniser motor, 3 EZ-Connect rods for fine grinding (5 x 75 mm flat bottom (Cat No. 078007), 7 x 115 mm saw teeth (Cat. No. 078148) and 10 x 115 mm saw teeth (Cat. No.. 078150), nut and stand.

Cat. No.	Description	Price
078000	Full TH pack	N/A -
078001	Omni Tissue Homogeniser only	N/A -
078002	Stand	N/A -
078003	Rod with tightening nut	N/A -

THQ Omni Homogeniser



- For samples from 200 µl to 120 ml
- To be held by hand or on a stand
- Variable speed from 8 000 to 32 000 rpm
- Max. noise level 68 dB
- 40 W motor
- Supplied with assembly tool, stand clamp, manual and starter kit including 12 plastic dispersion rods, 6 for soft tissue and 6 for hard or frozen tissue
- Dispersion rod:
 - Ø: 7 x 110 mm
 - Recommended working volume: 0.25 A 30 ml

Cat. No.	Description	Price
078211	THQ homogeniser	N/A -
078002	Stand	N/A -

Omni GLH-850 Homogeniser



- For samples from 1.5 ml to 5 l
- 850 W motor, 2 year warranty
- Variable speed: 5000 to 25000 rpm
- Noise level: < 72 dB
- Timer up to 9 min 59 sec
- On / off button
- Base included
- CE certified

CatNo.	Description	Price
078146	GLH-850 homogeniser complete with 3 stainless steel rods (10, 20 and 30 mm)	N/A -
078147	GLH-850 Single motor homogeniser	N/A -

Omni stainless steel dispersion rods with rotor stator rod

Rods for Omni TH and GLH 850 homogenisers

Cat. No.	Dimensions Ø x h (mm)	Volume (ml)	Bottom	Type of grinding	Price
078007	5 x 75	0.02 - 5	Flat	Fine	N/A -
078008	5 x 75	0.02 - 5	Flat	Coarse	N/A -
078148	7 x 115	0.25 - 30	Serrated	Fine	N/A -
078149	7 x 115	0.25 - 30	Serrated	Coarse	N/A -
078150	10 x 115	1.5 - 100	Serrated	Fine	N/A -
078151	10 x 115	1.5 - 100	Serrated	Coarse	N/A -



The photos on the right are not to scale with each other.

Rods for Omni GLH 850 homogeniser only

Cat. No.	Dimensions Ø x h (mm)	Volume (ml)	Bottom	Type of grinding	Price
078021	20 x 195	100 - 2000	Serrated	Fine	N/A -
078022	20 x 195	100 - 2000	Serrated	Coarse	N/A -
078152	30 x 195	200 - 5000	Crenellated	Fine	N/A -
078153	30 x 195	200 - 5000	Crenellated	Coarse	N/A -

Rods for THQ Omni homogeniser

Cat. No.	Dimensions Ø x h (mm)	Volume (ml)	Bottom	Units/ box	Price/ box
078212	5 x 75	0.2 - 5	Serrated	1	N/A -
078213	5 x 75	0.2 - 5		6	N/A -
078214	7 x 100	0.25 - 30		1	N/A -
078215	7 x 100	0.25 - 30		6	N/A -
078216	10 x 110	1.5 - 100		1	N/A -
078217	10 x 110	1.5 - 100		6	N/A -

Accessoire

Cat. No.	Description	Price
078026	Dismantling tools	N/A -

Plastic dispersion rods: Omni Tip™



- Reusable and autoclavable up to 7 times
- To eliminate the risk of cross-contamination between samples
- Ideal for PCR, DNA or RNA blotting analysis
- The clear plastic rod tube shows that there is no sample left
- Can be cleaned, disinfected and sterilised for repeated use
- Two-piece construction for easy disassembly and cleaning
- 80% less protein residue compared to a stainless steel tool
- Compatible with all Omni homogenisers with EZ connection (GLH, TGH, THQ)
- Available in sterile version: avoids cross-contamination and transfer between samples
- Diameter 7 x 110 mm
- Recommended workload: 0.25 ml to 30 ml

Two models:

- rods for standard dispersion of liquid mixtures, soft tissues or tissues requiring gentle homogenisation;
- rods for the disintegration of hard or frozen tissues.

Adapter

Cat. No.	Description	Units/ box	Price/ box
078042	Adapter for homogenisers Omni EZC and Fisher PowerGen	1	N/A -



Dispersion rods

In boxes	25	50	100	500
Omni Tip™ standard 110 mm dispersion rods				
Cat. No.	078031	078032	078033	078034
Price	N/A -	N/A -	N/A -	N/A -
Omni Tip™ Dispersion Rods for hard or frozen tissues 110 mm				
Cat. No.	078035	078036	078037	078038
Price	N/A -	N/A -	N/A -	N/A -
Omni Tip™ Dispersion Rods for hard or frozen tissues 110 mm sterile				
Cat. No.	078039	-	-	-
Price	N/A -	-	-	-



Omni TH tissue homogenisation kit for PCR



- ▶ Plastic dispersion rods, autoclavable
- ▶ For the complete disintegration of cell lysates
- ▶ Good disintegration of membranes
- ▶ Steel dispersion rods: for samples that are not susceptible to contamination
- ▶ Plastic rods, single or limited use to avoid contamination
- ▶ Flat bottom for soft tissues and serrated tool for fibrous tissues

Each kit includes a TH homogeniser with PCR instructions, Omni Tip™ adapter, stainless steel dispersion rod, storage case. Two models: for soft tissue or for frozen tissue.

Omni PCR soft tissue kit, kit contents:

Cat. No.	Homogeniser Omni TH	12 Omni Tip™ ø x H (mm)	Stainless steel rod ø x H (mm)	Cleaning Kit	Adapter	PCR Manual	Price
078043	Yes	7 x 110	No	No	Yes	Yes	N/A -
078045	Yes	7 x 110	5 x 75	Yes	Yes	Yes	N/A -
078046	Yes	7 x 110	7 x 115	Yes	Yes	Yes	N/A -
078047	Yes	7 x 110	10 x 115	Yes	Yes	Yes	N/A -

Omni PCR hard tissue kit, kit contents

Cat.No.	Homogeniser Omni TH	12 Omni Tip™ ø x H (mm)	Steelrod Stainless steel ø x H (mm)	Adapter	PCR Manual	Price
078051	Yes	7 x 110	5 x 75	Yes	Yes	N/A -

Accessories

Cat. No.	Description	Price
078026	Dismantling tools	N/A -
078002	Stand for Omni TH	N/A -
078003	Stem with mounting nut	N/A -

STERILISATION OF OMNITIPS RODS

Recommended

- Autoclave up to 121 °C
- Formaldehyde(g)
- Ethylene oxide
- Gamma irradiation up to 5 MRAD
- Glutaraldehyde (2%)
- Nitrogen oxide

Not Recommended

- UV irradiation

BIOLOGICAL DISINFECTION

Recommended

- Hypochlorite bleach (5%)
- Formaldehyde 40%
- 70% alcohol

Not Recommended

- Phenolic derivatives
- Long-term exposure to Guanidine derivatives
- Dichloralphenazone

DECONTAMINATION AFTER USING RADIOACTIVE PRODUCTS

Recommended

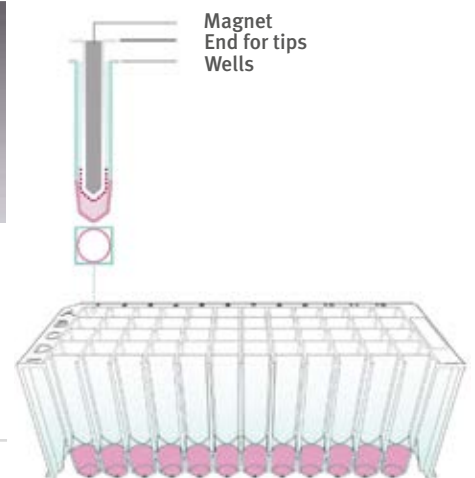
- Water / Ethanol / SDS
- Cleaning solutions: "radiacwash"
- or "count-off"

CLEANING OF THE OMNITIPS PLASTIC ROD ADAPTER

Recommended

- Cleaning with soapy water
- Hot water and brief rinse with 1% SDS, then distilled water treated with diethyl procarbonate (DEPC)

Riplate® magnetic 96-well plates



Plates compatible with Kingfisher 96 Flex Magnetic Particle Processors.

For storage, centrifugation, preparation and purification of samples.

- ▶ Made of virgin polypropylene
- ▶ Slightly raised well edges to avoid cross-contamination

- ▶ High stability during centrifugation
- ▶ Alphanumeric marking
- ▶ Square wells with cylindrical bottom for better mixing
- ▶ U-shaped bottom

Cat.No.	Description	Vol. tot. (ml)	Working Vol. (µl)	Units/box	Price/box
023131B	Riplate® magnetic 96-well plates	0.2	20 - 100	60	N/A -
071474	Riplate® magnetic 96-well plates *	2.0	20 - 1000	20	N/A -
071475	Riplate® magnetic 96 comb*	-	-	60	N/A -

*Compatible with KingFisnet Flex and Presto robots

Deepwell 96 wells 2.2 ml for KingFisher

- Made of virgin polypropylene
- Manufactured in clean room
- Low affinity for biomolecule
- Chemical and thermal resistance (-196 °C to +120 °C)
- Autoclavable
- Alphanumeric marking
- KingFisher™ Flex, Duo Prime, and Presto compatible



Cat. No.	Volume (ml)	Working volume (µl)	Bottom	Pack. unit	Units/box	Price/box
058148	2.2	50 to 100	V	5	10	N/A -

Deepwell 96-well plate for magnetic bead separation

- Transparent virgin polypropylene
- Well 1 ml round, V bottom
- Alphanumeric marking
- Suitable for separation protocols using magnetic beads
- Ultra-flat
- Manufacturing ISO 7 and 8 rooms
- Resistant to DMSO, phenol, chloroform
- SBS format
- Operating temperature: -80 °C to 120 °C
- Autoclavable



Cat. No.	Description	Units/box	Price/box
448027	Deepwell 96-well plate	50	N/A -

MagnaPure 96 Roche Plates for machine

- Used in DNA/RNA extraction kits and DNA extraction machines
- Compatible with MagnaPure 96
- Made of low binding polypropylene
- Operating temperature: -80 °C to +100 °C
- Laser engraved barcode
- Deepwell 96-well for extraction steps
- Marking of volumes 0.5 ml, 1 ml, 1.5 ml and 2 ml on 2 longitudinal sides
- High walls to limit cross-contamination



96-well V-bottom plate for collection of purified nucleic acid eluates

Cat. No.	Description	Pack. unit	Units/box	Price/box
038342	Deepwell, 96-well	5	30	N/A -
038343	96-well V-bottom plate	20	20	N/A -



Optical paper for microscopes



High quality paper for cleaning optical surfaces and lenses made of plastic glass or quartz. Does not contain any chemical agents, silicone or special additives.

- > Very soft, does not scratch
- > Very pure, free of additives
- > Highly absorbent for grease and moisture removal

Cat. No.	Dimensions (mm)	Packaging	Price
036445	100 x 150	25 notebooks of 25 sheets	N/A -
036531	200 x 300	100	N/A -
036532	460 x 570	500	N/A -

Optical paper



- > In Japanese paper
- > Paper for wiping lenses
- > Lint free
- > Sold in packs of 25 sheets

Cat. No.	Format (mm)	Units/box	Price/box
074042	95 x 135	25 x 25	N/A -
074089	100 x 150	625	N/A -
074090	200 x 300	100	N/A -
074091	460 x 570	500	N/A -

ECO lens cleaning wipes



Cat. No.	Dimensions (mm)	Packaging	Price/box
068885	95 x 135	25 bags of 25 sheets	N/A -
068886	190 x 135	500 sheets	N/A -
068887	190 x 270	500 sheets	N/A -
068888	380 x 540	500 sheets	N/A -

Low volume cuvettes for DNA and proteins



DMV-Bio quartz cuvettes for measuring microvolumes of nucleic acids and proteins.

- > For measuring the absorbance of small volumes of nucleic acids and proteins with a conventional spectrophotometer
- > For a beam height of 8.5 or 15 mm depending on the cuvette, compatible with most UV/visible spectrophotometers on the market
- > For measuring 0.6 to 2.5 µl of sample depending on the model
- > Validation of the 260/280 nm ratio and absorbance value with solutions sold separately
- > Production of a certificate for the accuracy of the optical path ($\pm 2 \mu\text{m}$) (optional when ordering, please consult us)

	0.125	0.2	0.5
Optical path (mm)	0.125	0.2	0.5
Minimum sample volume (µl)	0.6	1	2.5
DNA detection limit (ng/µl)	7.1	3	1.2
Maximum DNA concentration (ng/µl)	12000	9000	3500
Reproducibility for 100 ng/µl DNA (ng)	± 4	± 2	± 1
Reproducibility for 1000 ng/µl DNA (ng)	± 7	± 6	± 4
Protein detection limit (mg/ml)	0.3	0.15	0.06
Maximum protein concentration (mg/ml)		100	

Cat. No.	Optical path (mm)	Minimum sample volume (µl)	Beam height (mm)*	Price
244500	0.5	2.5	8.5	N/A -
244501	0.5	2.5	15	N/A -
244502	0.2	1	8.5	N/A -
244503	0.2	1	15	N/A -
244504	0.125	0.6	8.5	N/A -
244505	0.125	0.6	15	N/A -

* Check the beam height of your spectrophotometer.

Accessories

Cat. No.	Description	Price
244512	260/280 nm ratio validation solution, 1.5 ml	N/A -
244513	Optical path length and absorbance validation solution, 1.5 ml	N/A -

QuantGene 9600 Real-Time Thermocycler



The QuantGene 9600 is a 96-well block real-time PCR thermal cycler.

- > Reading: 5 fluorescence channels for multiplexing (green, yellow, orange, red, infrared); possibility to configure a 6th channel as desired
- > Consumables: 96-well 0.2 ml PCR plates, 0.2 ml PCR individual tubes or strips of 8
- > Stand-alone: integrated large touch screen, running Windows 10
- > Temperature range of the block: 4 - 105 °C
- > Temperature ramp: 6 °C/sec
- > Lid temperature: 30 - 110 °C
- > Warranty: 27 months

Dimensions W x D x H (mm)	38 x 40 x 38
Weight (kg):	20
Cat. No.	865083
Price	N/A -

Labcyler 48 basic or gradient Thermal cyclers



- ▶ Available in basic or gradient version, with 48-well aluminium or gold-plated silver block (included)
- ▶ TFT touch screen
- ▶ 8-zone gradient depending on model
- ▶ Heating and cooling rate up to 5 °C/second depending on the model
- ▶ Time and temperature decrement or increment possible (up to ± 9.99 °C and ± 99.99 seconds)
- ▶ Access code protection for up to 64 users
- ▶ Low energy consumption
- ▶ Gradient 20 °C max (± 10 °C)*
- ▶ Warranty: 5 years

	Aluminium block	Gold-plated silver block
Temperature (°C)	-5 to +99.9	
Homogeneity (°C)	± 0.25 to 55 °C, ± 0.4 to 95 °C	
Heating rate (°C/s)	3.5	5
Cooling rate (°C/s)	3.2	5
De(In)crement temperature (°C)	9.99	
De(In)crement time (seconds)	99.99	
Heated lid	Automatic, up to 105 °C	
Number of programmes	Up to 680	
Dimensions (L x D x H)(cm)	20 x 37 x 16	
Weight (kg)	7.8	

Basic 48-well non-removable model

Cat. No.	049974	049986
Price	N/A -	N/A -

48-well non-removable gradient model

Cat. No.	049975	049976
Price	N/A -	N/A -

* Only valid for the gradient labcyler.

Basic or gradient Labcyler thermal cyclers

Labcyler Cat. No. 049984,
with 96-well block
Cat. No. 049963



- ▶ TFT touch screen and keypad
- ▶ Various interchangeable blocks available (to be ordered separately), triple block 3 x 21 wells for three independent programs, 48, 96 and 384 wells
- ▶ Tool-free block change with automatic block recognition
- ▶ Aluminium 96-well block for reactions up to 100 µl, ideal for high volume in vitro reactions
- ▶ Gradient of 8 to 24 zones depending on model and block
- ▶ Heating and cooling rates up to 4.2 and 3.6 °C/second respectively, depending on model and block
- ▶ Gradient 40 °C max (± 20 °C)*
- ▶ Up to 680 programmes can be stored in memory
- ▶ Data protection by access code, by group or individual, file or program
- ▶ Warranty: 5 years

	Basic	Gradient
Gradient	-	40 °C max (± 20 °C)
Temperature (°C)	-5 to +99.9	
Homogeneity (°C)	± 0.25 from 20 °C to 72 °C, ± 0.4 to 95 °C	
Temperature setting increment (°C)	0.01	
De(In)crement temperature (°C)	9.99	
De(In)crement time (seconds)	99.99	
Gradient	-	40 °C max (± 20 °C)
Number of programmes	up to 680	
Dimensions (L x D x H)(cm)	25.1 x 44.4 x 20.1/34.7 (lid closed/open)	
Weight (kg)	11.5	

Thermal cycler labcyler without block

Cat. No.	049984	049983
Price	N/A -	N/A -

Options

Cat. No.	Description	Price
049965	Upgrade service from a basic gradient model	N/A -
049971	Lid for one 21-well block of the triple block	N/A -

Block for labcyler

Cat. No.	Description	Heating / cooling rate (°C/s)	Number of zones for gradient*	Min/max reaction volume per well (µl)	Price
049964	48-well gold-plated silver block (0.5 ml)	4.2 / 3.6	8	20 / 200	N/A -
049963	96-well gold-plated silver block (0.2 ml)	4.2 / 3.6	12	10 / 80	N/A -
049962	384-well gold-plated silver block	4.2 / 3.6	24	3 / 20	N/A -
049970	Triple block 3 x 21 wells**	2.5 / 2.2	-	10 / 80	N/A -
049982	Aluminium block 96-well 100 µl, 0.2 ml	2.5 / 2.2	12	10 / 100	N/A -
049985	Block for in situ PCR	2.5 / 2.2	-	-	N/A -

* only valid for the gradient labcyler

**triple block is not gradient compatible, passive covers to prevent condensation to be ordered separately (ref.049971)

TurboCycler 2 gradient thermal cycler

- 96-well gradient block compatible with standard and low profile 0.2 ml PCR tubes and strips, skirted, semi-skirted and unskirted plates
- 7" colour touch screen that can be operated with laboratory gloves
- Intuitive control interface with icons and graphics
- Heated lid
- Maximum heating / cooling rate 5.5 / 3.3 °C per second
- Configurable temperature ramp: 0.1 to 5.5 °C / sec
- Temperature accuracy and uniformity of ± 0.3 °C
- Temperature gradient from 1 to 24.9 °C on 12 columns for PCR parameter optimisation

Block temperature range	4 to 99.9 °C
Gradient range	1 to 24.9 °C
Gradient Temperature range	30 to 99 °C
Lid temperature	35 °C to 120 °C or inactive
Block Homogeneity	± 0.3 °C
Block temperature Accuracy	± 0.3 °C
Max. heating rate	5.5 °C / sec
Max. cooling rate	3.3 °C / sec
Adjustable temperature ramp	0.1 to 5.5 °C / sec
Recordable programmes	500
Interface	USB, WIFI (optional)
Dim. W x D x H (mm)	245 x 415 x 225
Weight (kg)	9.5
Power supply	100 - 240 V, 50/60 Hz
Max. power consumption	750 W
Cat. No.	255200
Price	N/A -

Accessoire

Cat. No.	Description	Units/box	Price/box
255204	Compression mat for use with low profile tubes, bars or plates	10	N/A -



TurboCycler lite gradient thermal cycler

- 96-well gradient block compatible with standard and low profile 0.2 ml PCR tubes and strips, skirted, semi-skirted and unskirted plates
- 240 x 128 pixel monochrome display with intuitive interface
- Touch button control
- Heated lid (35 °C to 120 °C or inactive)
- Maximum heating / cooling rate 3 / 2 °C, adjustable speed (slow or fast)
- Temperature accuracy / uniformity of ± 0.3 / 0.5 °C
- Temperature gradient on 12 columns for optimization of PCR parameters

Block temperature range	4 to 99.9 °C
Gradient range	1 to 24 °C
Gradient Temperature range	30 to 99 °C
Lid temperature	35 °C to 120 °C or inactive
Block Homogeneity	± 0.5 °C
Block temperature Accuracy	± 0.3 °C
Max. heating rate	3 °C
Max. cooling rate	2 °C
Recordable programmes	200
Dim. W x D x H (mm)	245 x 415 x 225
Weight (kg)	9
Power supply	100 - 240 V, 50/60 Hz
Max. power consumption	500 W
Cat. No.	255201
Price	N/A -

Accessoire

Cat. No.	Description	Units/box	Price/box
255204	Compression mat for use with low profile tubes, bars or plates	10	N/A -



Axygen MaxyGene II Thermal cycler



The MaxyGene II is a thermal cycler with a 96-well block consisting of 6 independent Peltier elements.

Up to 6 different annealing temperatures can be programmed to optimise PCR conditions.

- ▶ Ramps: heating +5 °C/sec, cooling -3.5 °C/sec
- ▶ Touchdown programming possible (time and/or temperature increment/decrement)
- ▶ Heated lid with programmable temperature
- ▶ Consumable: 1 x 96-well plate 0.2 ml, 12 x 8-tube strips 0.2 ml and 96 x PCR tubes 0.2 ml
- ▶ Connectivity: USB and RS232 ports
- ▶ For standard PCR application
- ▶ Warranty: 3 years

Dimensions L x D x H (mm)	24 x 43 x 25
Weight (kg)	9
Cat. No.	935649
Price	N/A -

Gene Q TC 24 Bioer Thermal Cycler



- ▶ Compact
- ▶ Adjustable heated lid
- ▶ Display of graphics, 100 storable programs

Model	GeneQ TC 24
Block material	Aluminium
Sample capacity	1 x 24-well microplat or 24 x 0.2 ml tubes (or 3 strips of 8)
Heating rate	5 °C/sec
Cooling	4 °C/sec
Temp. range	4 - 99.9 °C
Temp. uniformity	± 0.2 °C
Temp. accuracy	± 0.2 °C
Lid	30 - 110 °C
Gradients	-
Number of programmes	100
Display	LCD screen
Dimensions (W x D x H)	297 x 212 x 200 mm
Weight	3.2 kg
Power	200 W
Excl. VAT	865004
Price	N/A -

LifeEco Bioer Gradient Thermocycler



- ▶ With 5.7" touch screen
- ▶ Small footprint
- ▶ Heated lid with adjustable height
- ▶ Interface for USB connection
- ▶ Network function: one computer can control several LifeEco thermal cyclers
- ▶ 250 program memory, expandable via USB port

Block material	Aluminium alloy
Sample capacity	1 x 96-well skirted microplate or 96 x 0.2 ml microtubes (or 12 strips of 8)
Temperature range of the block	4 °C - 105 °C
Heating or cooling rate	4 °C / sec
Temperature uniformity	± 0.3 °C
Temperature accuracy	± 0.1 °C, ± 0.2 °C to 90 °C
Temperature control mode	Block or tube
Temperature range of the gradient	30 - 110 °C
Gradients	1 - 30 °C
Gradient block	On 12 columns
Number of programmes	250 (expandable via USB port)
Display	LCD touch screen
W x D x H (mm) / Weight (kg)	335 x 260 x 270 / 10
Power (W)	600
Cat. No.	865031
Price	N/A -

GeneMax Bioer thermal cycler

- Touchscreen: 26.4 cm
- Very uniform temperature without edge effect
- Adjustable heated lid
- Multiple units can be controlled via PC
- Control possible via Bluetooth
- Nickel-plated copper block
- For 96-well skirted plate or 96 x 0.2 ml microtubes or 12 strips of 8 tubes

Capacity	96-well skirted plates
	96 x 0.2 ml Tubes
	12 x 8-tube strip
Temperature range (°C)	4.0 to 105
Heating rate (°C)	Up to 5 °C/sec
Cooling rate (°C)	Up to 4 °C/sec
T °C Uniformity	± 0.2 °C
T °C Accuracy	± 0.1 °C (at 55 °C) ± 0.15 °C (at 72 °C and at 95 °C)
Temperature control	Block or tube
Heating/cooling rate control	0.1 to 4 °C
Memory	≥ 250 programs (internal memory) or limited to the USB stick capacity
Maximum number of cycles	99
Change in elongation time with each cycle	0 to 9 min 59 sec
Change in elongation temperature with each cycle	0.1 to 9.9 °C
Gradient function	Yes
Minimum/maximum gradient per line	0.1 to 6 °C
Lid temperature (°C)	30 - 110
Lid height	Automatic adjustment
Communication interface	RS232, LAN, Bluetooth
Power supply	100-240V 50-60Hz, 600W
Dimensions L x W x H(mm)	457 x 316 x 309
Weight (kg)	14
Cat. No.	865070
Price	N/A -



LifeTouch and GeneTouch Bioer Thermal cyclers

- With touch screen
- Heated lid with adjustable height
- Aluminium alloy block with excellent conductivity
- Interface for USB connection

2 models:

- 865018: for 96-well plates or strips, supplied with block
- 865019: supplied without block, to be completed with 5 blocks, for 96 or 384 well PCR microplate, for in situ hybridization, for 48 tubes

Cat. No.	Description	Price
865018	LifeTouch thermal cycler with 96-well block	N/A -
865019	Thermocycler Genetouch without block	N/A -
865020	Block for Genetouch Bi-Bloc for 48 x 0.2 ml microtubes	N/A -
865021	Block for Genetouch Bi-Bloc for 30 x 0.5 ml microtubes and 48 x 0.2 ml microtubes	N/A -
865022	Block for Genetouch for 384 well skirted plate	N/A -
865023	Block for Genetouch for 96 x 0.2 ml in gradient	N/A -
865024	Block for Genetouch for in situ hybridization	N/A -



865018

Mini thermal cycler



- ▶ **Compact and easy to use**
- ▶ **Touch screen, also works with gloves**
- ▶ **Block for 4 strips of 8 tubes or for 32 individual tubes**
- ▶ **Adjustable and deactivatable lid heating**

Capacity	32 x 0.2 ml tubes
Temperature range	0 °C - 99.9 °C
Accuracy / Homogeneity	± 0.25 °C / ± 0.25 °C
Heating rate	5 °C / s
Cooling rate	4 °C / s
Temperature range of the lid	30 °C - 112 °C
Number of programmes	100
Voltage	100 - 240 V, 50 - 60 Hz
Dimensions L x D x H (mm)	182 x 232 x 157
Weight (kg)	2.9
Cat. No.	062757
Price	N/A -

TC9639 Gradient Thermal Cyclers



- ▶ **17.8 cm diagonal colour LCD touch screen, usable with gloves**
- ▶ **The 96-well version has a multi-format block, suitable for unskirted 96-well plates, as well as 0.2 ml tube strips and 0.2 and 0.5 ml tubes**
- ▶ **Intuitive programming, parameterisation of the steps with graphic display**
- ▶ **Heated lid with adjustable height and temperature**
- ▶ **Programme protection by access code**
- ▶ **Aluminium block**
- ▶ **Temperature gradient from 1 to 30 °C**
- ▶ **100 program memory, expandable via USB port**

Model	Multi-format 96 wells	384 wells
Capacity	96-well non skirted plates; 96 x 0.2 ml tubes 8 strips of 12 tubes 0.2 ml and 39 x 0.5 ml tubes	384-well plates (non skirted)
Temperature range (°C)	0 to 100	
Heating rate (°C)	Up to 5 °C/second	
Cooling rate (°C)	Up to 4 °C/second	
T °C Uniformity	± 0.2	
T °C Accuracy	± 0.2 °C	
T °C control	Block or tube*	
Gradient T° range	30 - 105 °C	
Gradient T° differential	1 - 30 °C	
Setting of the heating cover T°	30 - 112 °C	
Communication interface	USB, LAN and RS232	
Power supply	75 to 275 V, 50-60 Hz	
Dimensions L x D x H (mm)	26 x 36 x 25	
Weight (kg)	7.3	
Cat. No.	062817	062818
Price	N/A -	N/A -

* simulation of the temperature inside the tube.

MiniTurbo thermal cycler



- ▶ **Applications: PCR, RT-PCR and incubation**
- ▶ **Very compact device**
- ▶ **Block for 8 conventional 0.2 ml PCR tubes (2 x 4)**
- ▶ **Heated lid, fixed temperature of 105 °C (preheats to 60 °C)**
- ▶ **Programming on USB stick via PC (software included)**

Number of cycles	Unlimited
Number of steps	Unlimited
Temperature range	25 - 99 °C
Heating rate	5.5 °C
Cooling rate	4 °C
Accuracy / homogeneity	± 0.4 °C
Power supply, power	100 - 240 V, 50/60 Hz, 120W
Ext. Dimensions W x D x H (mm)	136 x 102 x 104
Weight (kg)	1
Cat. No.	255209
Price	N/A -

AlphaCycler Thermal Cyclers

1, 2 or 4 block PCR units. Compact.

- **ASC system - Active sample cooling for more specific amplifications**
- **Program wizard: generate a quick and easy protocol based on sequence, matrix origin and amplicon size**
- **Gradient: on all instruments, on all blocks, allows to target the right hybridization temperature**
- **96/384 wells: flexibility of flow rate for different applications**
- **USB: connectivity for transferring protocols between machines**
- **Android control, 7" (AC1) or 10" (AC2, AC4) screen: simple and intuitive use**

Model	1 block (AC1)	2 blocks (AC2)	4 blocks (AC4)
Format	1 block	2 blocks	4 blocks
Block options	96 or 384 well	96 or 384 or 1 x 96 - 1 x 384	96 or 384 or 3 x 96 - 1 x 384 or 2 x 96 - 2 x 384 or 3 x 96 - 3 x 384
Maximum temperature rise	3.4 °C/sec		
Temperature range	10 °C to 100 °C (4 °C storage temp.)		
Block uniformity at 55 °C	± 0.3 °C		
Temperature accuracy at 55 °C	± 0.25 °C		
Gradient	Yes on all formats		
Max /min gradient Temp.	29 °C / 1 °C		
Number of recordable programmes	1000		
Fan noise emission	50 dB	50 dB (1 block in FCT) 55 dB (2 blocks in FCT)	50 dB (only 1 block in FCT) 55-58 dB (4 blocks in FCT)
Number of peltier/block elements	8		
Heated/adjustable lid temperature	Yes from 35 °C to 115 °C or inactive		
Pressure of the heating cover	Adjustable		
Program interface	7" 1080 pHD	10" 1080 pHD	
Dimensions L x W x H(mm)	430 x 260 x 200	470 x 535 x 330	700 x 535 x 200
Weight (kg)	11.8	30	45
Voltage	110-230 V, 50-60 Hz		

Alpha Cycler 1

Cat. No.	Number of blocks	Price
789980	1 block 96-well	N/A -
789981	1 block 384-well	N/A -

Alpha Cycler 2

Cat. No.	Number of blocks	Price
999610	2 block 96-well	N/A -
999611	2 block 384-well	N/A -
999612	1x 96-well block and 1 x 384-well block	N/A -



Alpha Cycler 4

Cat. No.	Number of blocks	Price
789982	4 block 96-well	N/A -
789983	4 block 384-well	N/A -
789984	1 x 96-well block and 3 x 384-well blocks	N/A -
789985	2 x 96-well blocks and 2 x 384-well blocks	N/A -
789986	3 x 96-well blocks and 1 x 384-well block	N/A -

Thermal cyclers 3Prime



- ▶ High flexibility, easy programming, small footprint, pre-stored protocols
- ▶ Fast temperature rise up to 3 °C/sec
- ▶ Colour touch screen, data logging to PC via front USB port
- ▶ Cycle gradient available on all 3PrimeG devices or with a simple software update on 3PrimeX devices via USB stick
- ▶ 3PrimeG and 3PrimeX with 4-year warranty and 80 000 cycles or 4 years of block lif
- ▶ Interchangeable blocks 24 and 48 x 0.2 ml and 18 and 30 x 0.5 ml
- ▶ Function to calculate the gradient
- ▶ Possibility of updating the software to access the cycle gradient

Temperature range / Temperature accuracy at 55 °C	4 °C to 100 °C / ±0.25 °C
Block uniformity at 55 °C	±0.3 °C
Gradient range	30 °C to 80 °C
Maximum / minimum gradient	29 °C (19 °C for 384 plates) / 1 °C
Temperature setting of the heated cover	100 °C to 115 °C or inactive
Number of recordable programmes	1000
Dimensions (L x W x H)	350 x 210 x 180 mm
Voltage	100-230 V, 50-60 Hz

Blocks - Block changes for 3Prime thermal cyclers should be carried out by a qualified engineer.

Cat. No.	Description	Price
798924	Block 3Prime 24 x 0.2 ml	N/A -
798925	Block 3Prime 18 x 0.5 ml	N/A -
798926	Block 3PrimeX 48 x 0.2 ml	N/A -
798927	Block 3PrimeX 30 x 0.5 ml	N/A -

Option

Cat.No.	Description	Price
798923	3PrimeX Upgrade service to enable gradient mode	N/A -

Cat. No.	Description	Price
798917	Thermal Cycler 3Prime 24 x 0.2 ml	N/A -
798918	Thermal Cycler 3Prime 18 x 0.5 ml	N/A -
798919	Thermal Cycler 3PrimeX 48 x 0.2 ml	N/A -
798920	Thermal Cycler 3PrimeX 30 x 0.5 ml	N/A -
798921	Gradient thermal cycler 3PrimeG 48 x 0.2 ml	N/A -
798922	Gradient thermal cycler 3PrimeG 30 x 0.5 ml	N/A -

Mini Pro 300 V and Mini 500 V generators

- At constant voltage or constant current
- Selection in 1 V or 1 mA increments
- LED display
- 2 outputs
- Compact and lightweight
- Timer 1 to 999 minutes or continuous with alarm function
- Polycarbonate case, aluminium base



Model	Mini Pro 300 V generator	Mini 500 V generator
Power	60 W 10-400mA 10-300 V	120 W 10-400mA 10-500 V
Operating temperature	Ambient temperature at + 40 °C	Ambient temperature at + 40 °C
Dimensions (mm)	13x 189 x 85	140 x 191 x 84
Weight	0.9 kg	NC
Minuteur	1 to 999 minutes with alarm	1 to 999 minutes with alarm
Cat. No.	022099	022237
Price	N/A -	N/A -

MyVolt mini Power supply

Constant voltage (V)	100 or 200
Max. current (mA)	200
Max. power (W)	40
Output Terminals	2
Power supply	230 - 240 V, 50 - 60 Hz
Dim. W x D x H (cm)	16 x 11.5 x 5.7
Weight (g)	400
Cat.No.	062693
Price	N/A -

- Ultra-compact two-output generator
- Basic device for constant voltage application
- 2 constant voltages to choose from, 100 or 200 V



MyVolt touch Power supply

- For agarose or acrylamide gel electrophoresis
- Intuitive programming
- Can be positioned horizontally or vertically
- Touch screen with automatic rotation
- Constant voltage or constant current mode
- Overload, change of load and no load detection
- Stackable unit

Current (mA)	5 to 400
Current increment (mA)	5
Voltage (V)	10 to 300
Voltage increment (V)	5
Max power (W)	80
Timer	1 min to 99 h 59 min
Output Terminals	4
Screen size (mm)	50.8 x 50.8
Power supply	230 V, 50 Hz
Dim. (cm) W x D x H	21.5 x 15.5 x 9.75
Weight (kg)	1.6
Cat.No.	062694B
Price	N/A -



Apelex electrophoresis generators



2 programmable models
PS 1006 P and PS 9009 TX

The Apelex range of generators covers all applications in electrophoresis.

- ▶ Front panel with touch buttons
- ▶ Automatic restart in case of power failure
- ▶ Constant parameter display via LED
- ▶ Timer for all models except PS 304
- ▶ For 4 mm diameter plug

X: recommended o: optional

Model	PS 304 XL	PS 305 XL	PS 503 XL	PS 608	PS 1006	PS 1006 P	PS 9009 TX
Features							
Max. Voltage. (V)	300	300	500	600	1000	1000	3000
Max. current. (mA)	400	500	300	800	600	600	300
Max power (W)	100	100	100	300	300	300	300
Output Terminals	4	4	4	3	3	3	2
Constant voltage and current	x	x	x	x	x	x	x
Constant voltage, current, power						x	x
Timer		x	x	x	x	x	x
Integrator						x	x
Programmable						x	x
Touch buttons	x	x	x	x	x	x	x
Applications							
DNA/RNA agarose electrophoresis	x	x	x	x	o	o	o
RFLP and DNA fragments	x	x	x	x	o	o	o
PCR Screening	x	x	x	x	o	o	o
Nucleic acid sequencing							x
Isoelectric focusing SSCP						x	x
Protein electrophoresis	o	x	x	x	x	x	o
SDS PAGE preparatory gels	o	x	x	x	x	x	o
Semi-dry blotting	o	x	x	o	o	o	
Western Blotting		x		x	o	o	
Cat. No.	049197B	049190B	049189B	049191	049192	049195	049194
Price	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Consort Electrophoresis generators LCD display



- ▶ LCD display with user assistance in case of error
- ▶ Automatic restart in case of power failure
- ▶ 9 different programmes with up to 9 steps each
- ▶ Real-time clock with recording of operating parameters and retrieval via USB interface



X: recommended

Model	EV2310	EV2650	EV2320	EV3020	EV3610	EV3150	EV3330	EV3620
Max. voltage (V)	300	600	3000	300	600	1200	3000	6000
Max. current (mA)	1000	500	150	2000	1000	500	300	150
Max. power (W)	150	150	150	300	300	300	300	300
Output Terminals	4							
Timer	0 to 99 hrs 59 min							
For plug diameter (mm)	4	4	4	4	4	4	4	2
Applications								
DNA sequencing							x	x
Flat bed isoelectric focusing						x	x	x
Horizontal Gel	x	x	x	x	x	x	x	
Long vertical gel								x
Vertical gel	x	x	x	x	x	x	x	
Electroelution		x	x		x	x		
Western blotting				x				
Semi-dry blotting				x				
Mini-western blotting	x							
Semi-dry mini blotting	x							
Cat. No.	324083	324084	324085	324086	324087	324088	324089	324093
Price	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Accessories

Cat. No.	Description	Price
324068	Reducer with 4 mm diameter banana plugs for 2 mm outlet	N/A -
324069	2 mm banana plug adapter retractable socket for 4 mm outlets	N/A -

RunOne electrophoresis system for nucleic acids

For horizontal electrophoresis in mini-gels.

All in one:

- electrophoresis tanks with 6-compartment tray;
- generator with integrated timer;
- accepts 2 types of agarose and polyacrylamide gels simultaneously.

Optional accessories: Multicaster system, pre-cast gels.

The system with timer comes complete with generator and 220V transformer, a pouring tray with 6 compartments, 6 trays for agarose gels (4 minigels, 2 maxigels) with lid and 2 combs. Trays for polyacrylamide gels (4 minigels, 2 maxigels) are ordered separately.

- **The tray has 6 moulded compartments, into which 1 to 6 gels can be poured**
- **Gel sizes: minigel (5.2 x 5.9 cm) and standard (10.7 x 5.9 cm)**
- **Capacity: 4 minigels and 2 standard gels**
- **Watertight, without joints or adhesives**
- **Generator with integrated timer**
- **Removable generator with 3 voltage selections: 25 V, 50 V or 100 V**
- **Buffer volume required: 350 ml for 2 minigels or 1 standard gel**
- **Maximum number of samples: 17 to 96 depending on the tray**

Cat. No.	Description	Price
038401	Complete RunOne system	N/A -

An economical and ready-to-use solution: choose the RunOne + Multicaster chamber kit (the Cat. No. appear in the Multicaster table)

Accessories for the RunOne tank

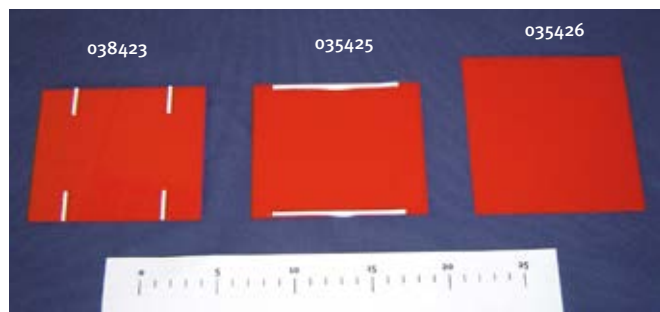
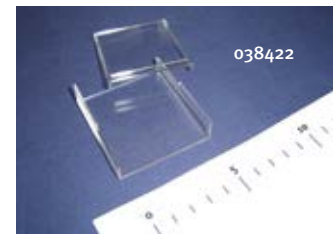
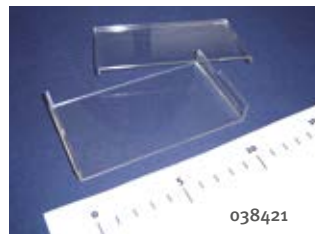
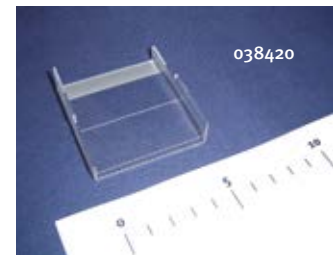
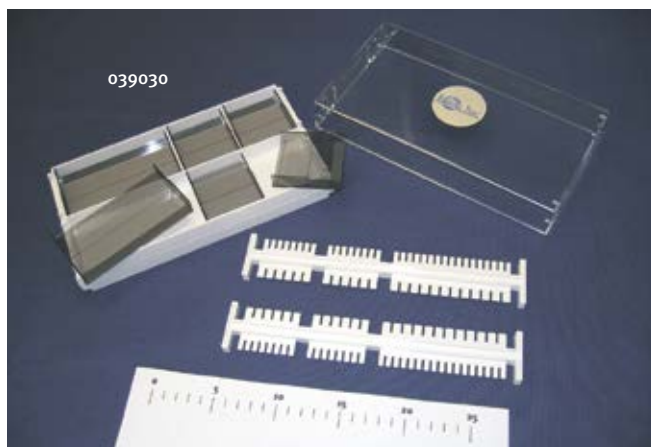
UV-transparent tray (different sizes depending on the application).

Cat. No.	Tray for	Dim. W x H (cm)	Price 4 units
038420	Mini agarose gel	5.4 x 5.9	N/A -
038421	Acrylamide gel (landscape) with cover	11 x 6	N/A -
038422	Mini acrylamide gel with cover	5.7 x 5.9	N/A -

Red tray for visualization of deposition wells

Specially designed to facilitate loading into the RunOne tank (red, placed under the gel and allows for a contrast between the agarose and the wells).

Cat. No.	For agarose gel size	Dim. W x H (cm)	Price the tray
038423	Portrait 6 x 9.5 cm	11.5 x 9.5	N/A -
035425	Medium 11.5 x 8.9 cm	11.5 x 9.5	N/A -
035426	Long 11.5 x 11.9 cm	11.5 x 11.5	N/A -



Pouring system

Cat. No.	Description	Price
039030	Casting system	N/A -

Multicaster



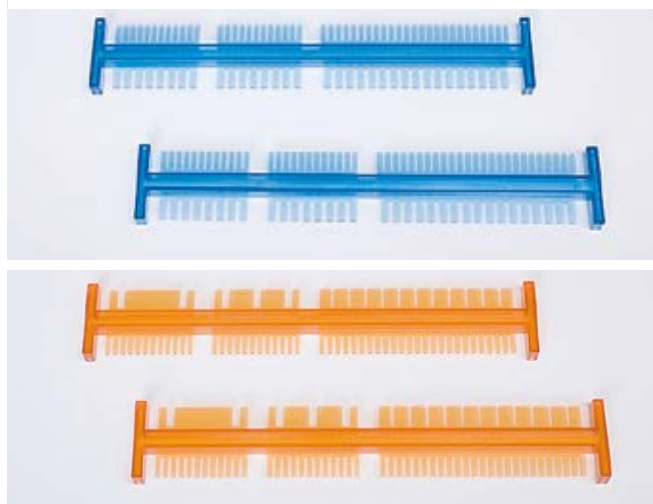
RunOne gel casting accessories for high density screening (96 well agarose gels). The Multicaster system consists of a tray with notches and combs designed for casting agarose gels in a few minutes without seals or adhesives. The trays are UV transparent. 4 models available.

Multicaster

Type	8 rows	12 rows	Preparatory gels	HLA Multicasting
L x W (mm)	116 x 118	116 x 118	116 x 118	116 x 89
Possible deposit lines	8 x (12 + 1) / 4 x (24 + 1)	12 x (8 + 1) / 6 x (16 + 2)	2	8
Recommended pipette	Single channel / 12-channel	8-channel	Single channel	Single channel / 12-channel
Deposit volume (µl)	30 - 35 / 10 - 15	30 - 35 / 10 - 15	2 x 250 + marker / 3 x 75 and 2 x 115	30 - 35 / 10 - 15
Number of notches for combs	8	12	2	8
Number of combs included (1 mm thick)	4	6	2	8
Reversible double comb types included	12 + 1 / 24 + 1	8 + 1 / 16 + 1	2 / 5 + markers	12+1 / 24+1
Maximum number of deposits	192 / markers	192 / markers	2 / 5 + markers	192 / markers
Colour code	Turquoise	Blue	Orange	Yellow
Cat. No. complete unit	038415	038416	038417	039080* / 038418**
Price	N/A -	N/A -	N/A -	N/A - / N/A -
Cat. No. Multicaster + RunOne Kit	035459	035460	035461	035462B***
Price	N/A -	N/A -	N/A -	N/A -
Cat. No. replacement tray	035468	035468	035469	035469
Price. 2 units	N/A -	N/A -	N/A -	N/A -
Cat. No. comb	038449	039033	039070	039071
Price. 2 units	N/A -	N/A -	N/A -	N/A -

* Supplied with 2 combs ** Supplied with 8 combs *** Supplied with the RunOne 6-compartment casting system and a red viewing plate

Reversible combs for RunOne



T-Blue comb:

To be used when preparing three gels, one in the large bowl, and the other two in the small ones.

Reversible:

- one side 1.5 mm thick: 25/12/12 teeth;
- one side 1 mm thick: 17/8/8 teeth

T-Ambre Comb:

Preparation. Reversible:

- one side 1 mm thick 25/12/12 wells;
- one side 1 mm thick, 10+2 wells, 2+2 preparatory wells, 1+2 preparatory wells.

Cat. No.	Description	Price
039075	T-Blue Reversible comb (2 units)	N/A -
039076	T-Ambre Reversible comb (2 units)	N/A -
039077	T-Bleu + T-Ambre Reversible comb	N/A -

MUPID-ONE electrophoresis chamber

Tank

- Can be used with multichannel pipettes: 9 mm interwell distance for 13 deposits or 4.5 mm for 26 deposits
- The material used for the tank allows direct observation of the samples under UV: transmission of 50% at 254 nm and 80% at 312 nm
- L x H x W: 183 x 59 x 162 mm
- Buffer volume: 300 - 330 ml

Trays

- 12 cm long tray, supplied as standard with two trays of 6 cm migration length
- Large model dimensions: 130 x 24 x 122 mm
- Small model dimensions: 130 x 16.5 x 59.5 mm

Generators

- Voltage: 100 to 240 V AC, internationally compatible, 50-60 Hz / Output voltage: 135, 100, 50 or 25 V
- Security detector: Photosensor that detects the presence of the cover
- Timer: programmable from 0 to 99 min or continuous operation
- Memory function: the last migration is stored in time and voltage
- Weight: 410 g
- Dimensions: 75 x 62 x 170 mm

Chamber supplied complete with tank, lid, generator, 4 combs, 2 small trays, 1 large tray, and 1 gel maker With on/off switch at the back of the unit.

MUPID Special LED transilluminator

- Transilluminator lid, placed on the MUPID tank during migration, compatible with most dyes for nucleic acids
- For DNA visualisation during electrophoresis in real time migration, no DNA degradation
- High sensitivity: 2 ng
- Anti-fogging filter design
- Amber filter, blue light 470 nm
- Dimensions: 166 x 170 x 51 mm / window size: 150 x 60 mm
- Compatible with the Mupid systems
- Weight: 0.96 kg
- DC 24 V / 1.25 A

Cat. No.	Description	Price
523265	Transilluminator for Mupid	N/A -



Cat. No.	Description	Price
088900	MUPID-ONE tank and generator 230 V (delivered complete with lid, trays, combs, and gel maker)	N/A -

Accessories

Cat. No.	Description	Price
088902	Tank for MUPID-ONE	N/A -
088903	Transparent lid for MUPID-ONE (183 x 59 x 162 mm)	N/A -
523271	Generator for MUPID-ONE	N/A -
088990	Gel preparation kit (2 small trays, 1 large tray, 4 combs, a gel maker)	N/A -
088991	Large tray for MUPID-ONE (2 units)	N/A -
088992	Small tray for MUPID-ONE (4 units)	N/A -
088993	Gel maker for MUPID-ONE	N/A -
088994	Comb for MUPID-ONE 13 or 26 wells (2 units)	N/A -



ES-mini electrophoresis system

Complete electrophoresis system for easy and fast horizontal electrophoresis.

- Supplied complete with:
 - a tank with a safety lid
 - an generator
 - 2 gel casting kits / migration trays for standard gel (10.5 x 6 cm)
 - 4 gel casting kits / migration trays for minigel (5 x 6 cm)
 - 1 reversible comb 22 or 12 teeth, thickness 1 mm
 - 1 reversible comb 18 or 12 teeth, thickness 1 mm

Voltage (V)	35, 50 or 100
Timer (min)	1 to 99 or continuous
Buffer volume (ml)	250-300
Gel size (cm)	5 x 6 or 10.5 x 6
Internal tank dimensions (mm)	120 x 110 x 45
System dimensions (mm)	190 x 130 x 55
Weight (kg)	0.45
Cat. No.	531600
Price	N/A -



Enduro Gel XL electrophoresis system



Includes all components necessary to cast and run horizontal gels.

- Pressing the eject button separates the gel box and power supply
- Plastic Cassette protects electrodes from damage
- A magnetic sensor allows current to flow to the electrodes only when the lid is in place
- Clear lid to aid visualizing the gel while running

Composition	Enduro Gel XL System	Micro casting kit	Standard casting kit
Electrophoresis tank	1	-	-
Detachable generator	1	-	-
Gel plates	1 large 12.5 x 12 cm 2 small 12.5 x 6 cm	4 micro 6 x 6 cm	1 large 12.5 x 12 cm 2 small 12.5 x 6 cm
Reversible comb	2 large (14 or 28 teeth)	1 small (5 or 8 teeth)	2 large (14 or 28 teeth)
Preparation rack	1	-	1
Cat.No.	096644	096645	096665
Price	N/A -	N/A -	N/A -

Accessories

Cat.No.	Description	Price
096659	Large gel trays 12.5 x 12 cm (2 units)	N/A -
096660	Small gel trays 12.5 x 6 cm (2 units)	N/A -
096661	Micro gel trays 6 x 6 cm (4 units)	N/A -
096662	Reversible large combs, 14 or 28 teeth (2 units)	N/A -
096663	Small reversible combs, 5 or 8 teeth (2 units)	N/A -
096664	Universal preparation rack	N/A -

Clarit-e MultiSUB₄ electrophoresis tank



- For the migration of 4 superimposed gels
- Up to 1200 samples per migration (1 cm migration per sample, 4 gels stacked)
- Comb compatible with multichannel pipettes
- Compact system
- Tank supplied with 4 trays 8 x 18 cm and 8 combs 1.5 mm thick, 8/18 wells and an external casting tank for 4 gels

Gel size (cm)*	8 x 6, 8 x 12, 8 x 18
Buffer volume (ml)	200 ml per gel
Tank dimensions (cm)	28 x 9 x 9
8 double combs supplied	8/18 wells, thickness 1.5 mm
Cat. No.	992088
Price	N/A -

* depending on the tray used, see optional accessories.

HPE™ BlueHorizon™ Horizontal electrophoresis system



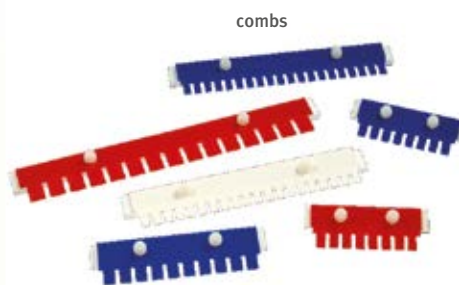
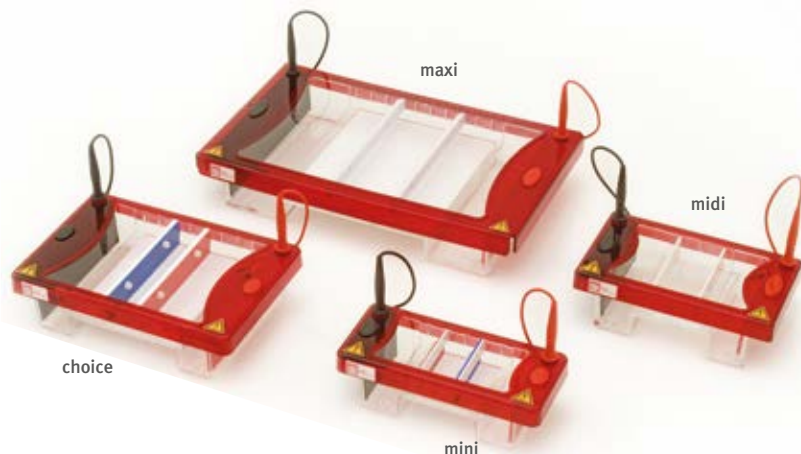
- Tankless system: pads contained in soaked wicks
- Ceramic support can be connected to a cooling unit: rapid migration and obtaining clean strips or spots
- Gel size: 260 x 205 mm
- Gel protected from light and dust during migration
- Supplied with a cover including a pair of platinum electrodes
- Compatible with pre-filled gels (available on request)
- Applications
 - Separation of proteins on SDS-PAGE, 2D gel, by electrofocusing (IEF) or nucleic acids in polyacrylamide gels

Cat. No.	Description	Price
115797	Complete HPE™ BlueHorizon™ system (generator + electrophoresis chamber + cooling unit)	N/A -
115767	HPE™ BlueHorizon™ electrophoresis chamber	N/A -
115810	BlueHorizon™ double drawer electrophoresis system	N/A -
115795	HPE™ BlueHorizon™ cooling unit	N/A -

MultiSUB horizontal electrophoresis tanks

Versatile agarose gel electrophoresis solution for RNA and DNA

- Available in 5 sizes
- Durable, leak-proof injection moulded design
- Easy-to-replace cassette electrodes
- Multiple trays for each tank size
- Easy click lid removal, with automatic power disconnection at opening
- Numerous combs slots
- Four combs thickness, colour coded
- MC" combs for use with multichannel pipettes
- Non-MC" combs not compatible with multichannel pipettes
- All combs have a load guide on the opposite edge



MultiSUB mini tank

Model	MultiSUB mini 7	MultiSUB mini 10	MultiSUB mini DUO
System size (L x W x H)	21 x 9 x 9 cm		
Circulation Capacity	225 ml		
Maximum electrical power	10 W		
Distance between electrodes	155 cm		
Composition of the set	Electrophoresis tank, safety cover, casting trays, combs, load guides, casting dam		
Size of gels with trays supplied (cm)	7 x 7	7 x 10	7 x 7 / 7 x 10
Comb slots	2	4	2 / 4
Max. sample capacity	32	64	32 / 64
Combs supplied	2 combs 8 teeth 1 mm		
Cat. No.	263130	263131	263132
Price	N/A -	N/A -	N/A -

Combs for MultiSUB mini

Cat.No.	Number of teeth	Thickness (mm)	Compatibility with multi-channel pipettes	Recommended volume loading for 5 mm gels (µl)	Price
263133	8	0.75	MC	8	N/A -
263134	12	0.75	Non MC	12	N/A -
263135	8	1	MC	11	N/A -
263136	12	1	Non MC	14	N/A -
263137	8	1.5	MC	17	N/A -
263138	12	1.5	Non MC	20	N/A -
263139	8	2	MC	23	N/A -
263140	12	2	Non MC	27	N/A -

MultiSUB midi tank

Model	MultiSUB midi 7	MultiSUB midi 10	MultiSUB midi DUO
System size (L x W x H)	22 x 12.5 x 9 cm		
Circulation Capacity	300 ml		
Maximum electrical power	20 W		
Distance between electrodes	150 cm		
Composition of the set	Electrophoresis tank, safety cover, casting trays, combs, load guides, casting dam		
Size of gels with trays supplied (cm)	10 x 7	10 x 10	10 x 7 / 10 x 10
Comb slots	2	4	2 / 4
Max. sample capacity	50	100	50 / 100
Combs supplied	2 combs 16 teeth 1 mm		
Cat. No.	263141	263142	263143
Price	N/A -	N/A -	N/A -

Combs for MultiSUB midi

Cat.No.	Number of teeth	Thickness (mm)	Compatibility with multi-channel pipettes	Recommended volume loading for 5 mm gels (µl)	Price
263144	10	0.75	MC	30	N/A -
263145	20	0.75	Non MC	10	N/A -
263146	10	1	MC	27	N/A -
263147	20	1	Non MC	14	N/A -
263148	10	1.5	MC	41	N/A -
263149	20	1.5	Non MC	20	N/A -
263150	10	2	MC	54	N/A -

MultiSUB maxi tank

Model	MultiSUB maxi 10	MultiSUB maxi 15	MultiSUB maxi 20	MultiSUB maxi 25	MultiSUB maxi DUO
System size (L x W x H)	39.5 x 23 x 9 cm				
Circulation Capacity	1200 ml				
Maximum electrical power	50 W				
Distance between electrodes	315 cm				
Composition of the set	Electrophoresis tank, safety cover, casting trays, combs, load guides, casting dam				
Gel size with trays supplied (cm)	20 x 10	20 x 15	20 x 20	20 x 25	20 x 10 / 20 x 20
Comb slots	4	7	9	11	4 / 9
Max. sample capacity	200	350	450	550	200 / 450
Combs supplied	2 combs 20 teeth 1 mm				
Cat. No.	263182	263181	263180	263265	263183
Price	N/A -	N/A -	N/A -	N/A -	N/A -

MC combs for MultiSUB maxi

Cat. No.	Number of teeth	Thickness (mm)	Recommended volume loading for 5 mm gels (µl)	Price
263184	20	0.75	20	N/A -
263185	40	0.75	8	N/A -
263186	20	1	27	N/A -
263187	40	1	11	N/A -
263188	20	1.5	41	N/A -
263189	40	1.5	17	N/A -
263190	20	2	54	N/A -
263191	40	2	23	N/A -

MultiSUB choice tank

Model	MultiSUB choice 7	MultiSUB choice 10	MultiSUB choice 15	MultiSUB choice TRIO
System size (L x W x H)	26.5 x 17.5 x 9 cm			
Circulation Capacity	500 ml			
Maximum electrical power	40 W			
Distance between electrodes	197 cm			
Composition of the set	Electrophoresis tank, safety cover, casting trays, combs, load guides, casting dam			
Gel size with trays supplied	15 x 7	15 x 10	15 x 15	15 x 7 / 15 x 10 / 15 x 15
Comb slots	2	4	6	2 / 4 / 6
Max. sample capacity	70	140	210	70 / 140 / 210
Combs supplied	2 combs 20 teeth 1 mm			
Cat. No.	263152	263153	263154	263155
Price	N/A -	N/A -	N/A -	N/A -

MC combs for MultiSUB choice

Cat.No.	Number of teeth	Thickness (mm)	Recommended volume loading for 5 mm gels (µl)	Price
263156	10	0.75	22	N/A -
263157	14	0.75	22	N/A -
263158	16	0.75	-	N/A -
263159	18	0.75	8	N/A -
263160	28	0.75	8	N/A -
263161	30	1	9	N/A -
263162	10	1	29	N/A -
263163	14	1	29	N/A -
263164	16	1	-	N/A -
263165	18	1	11	N/A -
263166	28	1	11	N/A -
263167	30	1	13	N/A -

Cat.No.	Number of teeth	Thickness (mm)	Recommended volume loading for 5 mm gels (µl)	Price
263168	10	1.5	44	N/A -
263169	14	1.5	44	N/A -
263170	16	1.5	-	N/A -
263171	18	1.5	17	N/A -
263172	28	1.5	17	N/A -
263173	30	1.5	19	N/A -
263174	10	2	59	N/A -
263175	14	2	59	N/A -
263176	16	2	-	N/A -
263177	18	2	23	N/A -
263178	28	2	23	N/A -
263179	30	2	25	N/A -

MultiSUB screen tank

Model	MultiSUB screen 32	MultiSUB screen 24	MultiSUB screen 16	MultiSUB screen TRIO
System size (L x W x H)	50 x 28 x 9 cm			
Circulation Capacity	1400 ml			
Maximum electrical power	70 W			
Distance between electrodes	458 cm			
Composition of the set	"Electrophoresis tank, safety cover, casting trays, combs, load guides, casting dam"			
Gel size with trays supplied	26 x 32	26 x 24	26 x 16	26 x 32 26 x 24 26 x 16
Comb slots	12	9	6	12 / 9 / 6
Max. sample capacity	672	504	336	672 / 504 / 336
Combs supplied	6 MC combs 28 teeth 1 mm			
Cat. No.	263192	263193	263194	263195
Price	N/A -	N/A -	N/A -	N/A -

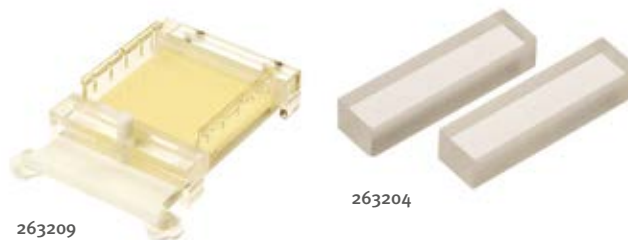
MC combs for MultiSUB screen

Cat. No.	Number of teeth	Thickness (mm)	Recommended volume loading for 5 mm gels (µl)	Price
263196	28	0.75	25	N/A -
263197	56	0.75	10	N/A -
263198	28	1	34	N/A -
263199	56	1	14	N/A -
263200	28	1.5	51	N/A -
263201	56	1.5	20	N/A -
263202	28	2	68	N/A -
263203	56	2	27	N/A -



Accessories

Cat. No.	Description	Price
263204	Buffer saver blocks for MultiSUB mini x2	N/A -
263205	Buffer saver blocks for MultiSUB midi x2	N/A -
263206	Buffer saver blocks for MultiSUB choice x2	N/A -
263207	Buffer saver blocks for MultiSUB maxi x2	N/A -
263209	Flexicaster for MultiSUB mini or midi	N/A -
263210	Flexicaster for MultiSUB choice or maxi	N/A -
263211	Flexicaster for MultiSUB screen	N/A -
263212	Viewing platform for MultiSUB mini	N/A -
263213	Viewing platform for MultiSUB midi	N/A -
263214	Viewing platform for MultiSUB choice	N/A -
263215	Viewing platform for MultiSUB maxi	N/A -
263216	Viewing platform for MultiSUB screen	N/A -
263217	Transfer scoop for MultiSUB mini	N/A -
263218	Transfer scoop for MultiSUB midi	N/A -
263219	Transfer scoop for MultiSUB choice	N/A -
263220	Transfer scoop for MultiSUB maxi	N/A -
263221	Transfer scoop for MultiSUB screen	N/A -



Mini Major horizontal electrophoresis tank

- Compact size
- One-piece moulded polycarbonate tank
- For gel size 52 x 60mm or 107 x 60mm
- The tank can withstand temperatures of up to 130 °C
- Maximum gel thickness: 10 mm
- Maximum number of samples: 25
- Tank dimensions: 140 x 140 x 53 mm
- Buffer volume: 200 ml
- Safety cover with vents
- Tray with black strip for well location and a migration ladder
- Compatible with multi-channel pipettes
- The transparent version of the tank is compatible with the MBE-300 transilluminator, Cat. No. 022321, for monitoring migration and visualizing the strips in the tank

The tank is supplied with:

- tank and lid;
- 2 gel makers;
- 2 trays 107 x 60 mm;
- 4 trays 52 x 60 mm;
- 2 double sized combs: 8/8/17 and 12/12/25 teeth; 6/6/12 and Mark1/Prep1/23 teeth
- power leads.

Cat. No.	Description	Price
022338	Mini horizontal tank, transparent MJ-105-A	N/A -

Accessories

Cat. No.	Description	Price
022011	Tray 107 x 60 mm	N/A -
022015	Spare power cords red and black	N/A -
022016	Complete* gel preparation system	N/A -
022017	Gel maker for Mini tank large	N/A -

* kit including 2 gel makers for mini tank (ref. 022008), 4 trays 52 x 60 mm (ref. 022009), 2 trays 107 x 60 mm (ref. 022011) and 2 analytical combs (022012 and 022014)

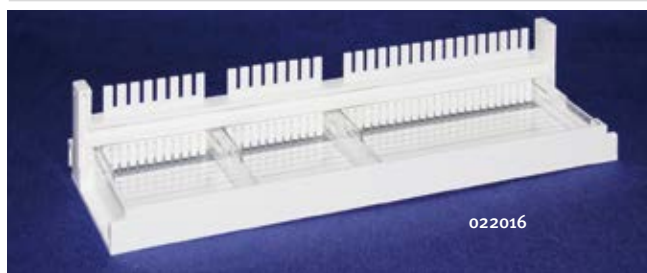


Combs

* Sample volume for a 5 mm thick gel.

Comb	022014	022012
Teeth thickness (mm)	1	1
Tooth width (mm)	6	4
Sample volume (µl)*	30	20

Cat. No.	Description	Price
022012	Double analytical comb (8/8/17 and 12/12/25 teeth)	N/A -
022014	Double analytical comb (6/6/12 and Mark1/Prep2/23 teeth)	N/A -



Mini large Major Horizontal electrophoresis tank

- Compact size
- One-piece moulded polycarbonate tank
- For gel sizes: 105 x 83 mm or 50 x 83 mm
- The tank can withstand temperatures of up to 130 °C
- Maximum gel thickness: 10 mm
- Maximum number of samples: 25
- Tank dimensions: 136 x 188 x 58 mm
- Buffer volume: 400 ml
- Safety cover with vents
- Tray with black strip for well location and a migration ladder
- Compatible with multi-channel pipettes

The tank is supplied with:

- tank and lid;
- 1 gel maker;
- 1 tray 105 x 83 mm;
- 2 trays 50 x 83 mm;
- 2 double sized combs: 8/8/17 and 12/12/25 teeth; 6/6/12 and Mark1/Prep1/23 teeth;
- power leads.

Cat. No.	Description	Price
022007	Mini large horizontal tank, natural MT-108	N/A -

Accessories

Cat. No.	Description	Price
022015	Spare power cords red and black	N/A -
022100	Complete* gel preparation system	N/A -
022017	Gel maker for Mini tank large	N/A -
022018	Tray 105 x 83 mm	N/A -
022019	Tray 50 x 83 mm	N/A -

*Kit includes one gel maker for Mini large tank (Cat. No. 022017), 1 tray 105 x 83 mm (Cat. No. 022018), 2 trays 50 x 83 mm (Cat. No. 022019), 2 analytical combs (022012 and 022014)



Combs

*Sample volume for a 5 mm thick gel.

Comb	022014	022012
Teeth thickness (mm)	1	1
Tooth width (mm)	6	4
Sample volume (µl)*	30	20

Cat. No.	Description	Price
022012	Double analytical comb (8/8/17 and 12/12/25 teeth)	N/A -
022014	Double analytical comb (6/6/12 and Mark1/Prep2/23 teeth)	N/A -

Hoefler horizontal gel tanks

	HE33 mini horizontal 7 x 10 cm	HE99X max horizontal 15 x 20, 15 x 15, 15 x 10 cm	SUB6 mini submarine 6 x 7.5 cm	SUB10 mini plus submarine 10 x 11.5 cm	
	Passively cooled by placing the base filled with PEG 50% in the freezer until use.	For a DNA fragment resolution of 100 bp at 20 Kbp. 3 different lengths.	Ideal for routine preparation. Removable preparation tray. For the preparation of gels in the electrophoresis tank.	For the migration of 80 samples in HTS. Prep tray idem SUB6.	
Gel dimensions	7 x 10 cm	15 x 20, 15 x 15 ou 15 x 10 cm	6 x 7.5 cm	10 x 11.5 cm	
Max. Volume	250 ml	1.2 l	325 ml	450 ml	
Power supply	500 V, 500 mA, 15 W	200 V, 100 mA, 20 W	300 V, 200 mA, 60 W	300 V, 200 mA, 60 W	
Maximum sample capacity	32	60	32	80	
Maximum temperature	50 °C	45 °C	45 °C	45 °C	
Indoor use	4 - 40 °C	4 - 40 °C	4 - 40 °C	4 - 40 °C	
Humidity	More than 80%	More than 80%	More than 80%	More than 80%	
Dimensions (L x H x D)	24 x 7 x 13 cm	36 x 14 x 18.2 cm	13 x 24 x 6.5 cm	16.5 x 23 x 6.5 cm	
Safety certificate	EN61010-1, UL61010A-1, CSA C22. 1010.1 CE	EN61010-1, UL61010A-1, CSA C22. 1010.1 CE	EN61010-1, CE	EN61010-1, CE	
Features	UV transparent tray		Colour-coded combs with adjustable height UV transparent tray Carrying handles	Colour-coded combs with adjustable height UV transparent migration tray	
Complete unit	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray - Preparation tray - 4 foam seals - Spirit level - 8-well combs, thickness 1.5 mm - Adjustable counter comb 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray 15 x 20 cm - Preparation tray 15 x 20 cm - 4 foam seals - Spirit level - 15-well combs, thickness 1.5 mm - Adjustable counter comb 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray with with silicone seals - 2 combs 8 wells, thickness 1 mm - Coloured charging tabs 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray with silicone seals - 2 combs 16 wells, thickness 1 mm - Coloured charging tabs 	
Cat. No.	151188	151207	151235	151255	
Price	N/A -	N/A -	N/A -	N/A -	
Base unit	- Same as complete unit without combs and counter combs	- Same as complete unit without combs, counter combs and trays			
Cat. No.	151189	151208	-	-	
Price	N/A -	N/A -	-	-	
	SUB13 midi submarine 12.8 x 15 cm	SUB15 standard submarine 15 x 15 cm	SUBHT high Troughput submarine 15 x 15 cm	SUB20/SUB20C maxi standard/maxi-cooled submarine 20 x 20 cm	SUB25/SUB25C maxi standard/maxi-cooled submarine 25 x 30 cm
	For the migration of 112 samples. Prep tray idem SUB6.	Maximum 120 samples for the screening of mini DNA prep into PCR products.	Maximum 120 samples Fast charge from 1 PCR plate with 1 multi-channel pipette.	Maximum 160 samples. Cooling base with water. Large tray for fine resolutions.	Tray 25 x 30 cm for 12 combs, 625 samples. With water recirculation base.
Gel dimensions	12.8 x 15 cm	15 x 15 cm	15 x 15 cm	20 x 20 cm	25 x 30 cm
Max. Volume	900 ml	1.2 l	1.2 l	2.2 l	3 l
Max. Power supply	300 V, 200 mA, 60 W	300 V, 200 mA, 60 W	300 V, 200 mA, 60 W	1000 V, 500 mA, 500 W	1000 V, 500 mA, 500 W
Max. sample capacity	112	120	120	160	624
Maximum temperature	45 °C	45 °C	45 °C	45 °C	45 °C
Indoor use	4 - 40 °C	4 - 40 °C	4 - 40 °C	4 - 40 °C	4 - 40 °C
Humidity	Greater than 80%	Greater than 80%	Greater than 80%	Greater than 80%	Greater than 80%
Dimensions (L x H x D)	20 x 32 x 7 cm	21.5 x 33.5 x 7 cm	21.5 x 33.5 x 7 cm	27 x 47.5 x 8 cm	35 x 56 x 9 cm
Safety certificate	EN61010-1, CE	EN61010-1, CE	EN61010-1, CE	EN61010-1, CE	EN61010-1, CE
Features	Colour-coded combs with adjustable height UV transparent tray Carrying handles	Multi-channel compatible Colour coded combs UV transparent tray Carrying handles	For 96 samples and 24 markers DNA band resolution of 50-100 bp in 30 min. Carrying handles	Multi-channel compatible Colour coded combs UV transparent tray Carrying handles	Multi-channel compatible Colour coded combs UV transparent tray Carrying handles
Standard unit	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray with silicone seals - 2 combs 16 wells, thickness 1 mm - 2 ports for buffer recirculation 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray and preparation bridges - 2 combs 16 wells, thickness 1 mm - Coloured charging tabs - 2 ports for buffer recirculation 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray and preparation bridges - 4 combs 30 wells, thickness 1 mm - Coloured charging tabs - 2 ports for buffer recirculation 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray and preparation bridges - 2 combs 16 wells, thickness 1 mm - Coloured charging tabs - 2 ports for buffer recirculation 	<ul style="list-style-type: none"> - Electrophoresis chamber - Safety cover with high voltage leads - Migration tray with silicone seals - 2 combs 26 wells, thickness 1 mm - Coloured charging tabs - 2 ports for buffer recirculation
Cat. No.	151276	151301	151410	151323	151344
Price	N/A -	N/A -	N/A -	N/A -	N/A -
Unit with refrigeration				- Electrophoresis chamber with refrigeration + same as standard unit	- Electrophoresis chamber with refrigeration + same as standard unit
Cat. No.	-	-	-	151324	151345
Price	-	-	-	N/A -	N/A -

Microgel 2 horizontal electrophoresis tanks

Gel size: 5 x 8 cm

- For a very fast separation
- For small-scale nucleic acid applications, agarose gel restriction fragments
- The complete tank is placed on a UV table to view the samples
- Buffer volume: 150 ml
- Maximum number of samples: 20
- Dimensions: 129 x 11 x 6 cm

Suggested generators:

- PS 304: 300 Volts - 400 mA - 120 Watts
- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver

The tank is supplied with:

- Removable UV transparent gel tray 5 x 8 cm;
- 2 removable walls for direct casting of gels;
- a 1 mm thickness comb, 10 teeth, volume 10 µl;
- safety cover;
- set of cords and user's manual.



Cat. No.	Description	Price
049001	Cuve Microgel 2	N/A -
049002	UV transparent tray 5 x 8 cm	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with adjustable level and feet	N/A -

Minigel 2 horizontal tank

Gel size: 10 x 8 cm.

- For a very fast separation
- For small-scale nucleic acid applications, agarose gel restriction fragments
- Compact
- The complete tank is placed on a UV table to view the samples
- Buffer volume: 250 ml
- Maximum number of samples: 36
- Dimensions: 19 x 16 x 6 cm

Suggested generators:

- PS 304: 300 volts - 400 mA - 120 Watts
- PS 305: 300 volts - 500 mA - 150 Watts with Timer and Gel Saver

The tank is supplied with:

- Removable UV transparent gel tray 10 x 8 cm;
- 2 removable walls for direct casting of gels;
- a comb, thickness 1 mm, 16 teeth, volume 12 µl;
- safety cover;
- set of cords and user's manual.



Cat. No.	Description	Price
049011	Minigel 2 tank complete	N/A -
049012	UV transparent Tray 10 x 8 cm	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with adjustable level and feet	N/A -

Midigel 2 horizontal tank

Gel size: 10 x 14 cm.

- Buffer volume: 800 ml
- Maximum number of samples: 72 (with 4 combs)
- Dimensions: 28 x 16 x 9 cm
- For standard size gels, for PCR and RFLP screening
- Preparatory combs available
- Red strips deposits visualisation
- The tank is delivered complete
- For analytical or preparative applications on nucleic acids, agarose gel restriction fragments
- Gel tray 10 x 14 cm with four notches to insert the combs
- Gel tray 10 x 8 cm with 2 notches
- The holders are UV-transparent and equipped with sliding walls for gel casting
- 18-tooth comb compatible with multi-channel pipettes
- Adjustable height base and built-in spirit level



Cat. No.	Description	Price
049025	Midigel 2 tank complete	N/A -
049026	UV transparent Tray 10 x 14 cm	N/A -
049012	UV transparent Tray 10 x 8 cm	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with lwith adjustable level and feet	N/A -

The tank is supplied with:

- Removable UV transparent gel tray 10 x 14 cm;
- 2 removable walls for direct casting of gels;
- a comb, thickness 2 mm, 16 teeth, volume 24 µl;
- safety cover;
- set of cords;
- accessories for buffer recirculation;
- user's manual.

Midigel XL horizontal tank



Gel size: 15 x 17 cm.

- ▶ **Buffer volume: 1200 ml**
- ▶ **Maximum number of samples: 192 (with 6 combs)**
- ▶ **Dimensions: 32 x 23 x 9 cm**
- ▶ **For standard size gels of 17, 12 and 7 cm in length depending on the rack used**
- ▶ **For PCR and RFLP screening**
- ▶ **For analytical or preparative applications on nucleic acids, agarose gel restriction fragments**
- ▶ **Gel tray 15 x 17 cm with 6 notches for comb insertion**
- ▶ **Gel tray 15 x 12 cm with 4 notches**
- ▶ **Gel tray 15 x 7 cm with 2 notches**
- ▶ **The holders are UV-transparent and equipped with sliding walls for gel casting**
- ▶ **16 and 32 tooth combs are compatible with multi-channel pipettes**
- ▶ **Preparatory combs available**
- ▶ **Adjustable height feet and built-in spirit level**
- ▶ **Red strips deposits visualisation**
- ▶ **The tank is delivered complete**

Suggested generators

- PS 304: 300 Volts - 400 mA - 120 Watts
- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver

Cat. No.	Description	Price
049416	Midigel XL Tank complete	N/A -
049427	UV transparent Tray 15 x 17 cm (1 to 6 combs)	N/A -
049428	UV transparent Tray 15 x 12 cm (1 to 4 combs)	N/A -
049429	UV transparent Tray 15 x 7 cm (1 to 2 combs)	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with lwith adjustable level and feet	N/A -

Midigel XL tank packs for 96 samples

Pack content	Midigel XL tank + gel holder 150 x 170 mm + gel holder 150 x 120 mm + removable walls for direct gel pouring + 6 combs 16 teeth, thickness 1 mm for multichannel pipettes + safety lid + set of cords, user manual	
Generator included	No	PS 304XL (300 V - 400 mA - 100 W)
Cat.No.	049903B	049902B
Price	N/A -	N/A -

The tank is supplied with:

- Removable UV transparent gel tray 15 x 17 cm;
- 2 removable walls for direct casting of gels;
- 1 comb, 2 mm thickness, 27 teeth, volume 32 µl;
- safety cover;
- set of cords;
- user's manual.

Maxigel ECO 2 horizontal tank



Gel size: 20 x 24 cm or 20 x 12 cm.

- ▶ **Buffer volume: 1800 ml**
- ▶ **Max. number of samples: 352 (with 8 combs 049053 or 049461 compatible with multichannel pipettes)**
- ▶ **Dimensions: 28 x 37 x 9 cm**
- ▶ **For DNA or RNA analysis**
- ▶ **For rapid screening after PCR of 96 samples on a single gel**
- ▶ **For restriction fragment screening in agarose gel**
- ▶ **Gel tray 20 x 24 cm with eight notches for inserting the combs**
- ▶ **Gel tray 20 x 12 cm with 3 notches**
- ▶ **44-tooth combs compatible with multi-channel pipettes**
- ▶ **Preparatory combs available**
- ▶ **Adjustable height feet and built-in spirit level**
- ▶ **Red strips deposits visualisation**
- ▶ **The tank is delivered complete**

Suggested generators

- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver
- PS 608: 600 Volts - 800 mA - 300 Watts with Timer and 3 displays

Cat. No.	Description	Price
049039	Maxigel ECO 2	N/A -
049040	UV-transparent tray 20 x 24 cm	N/A -
049041	UV transparent Tray 20 x 12 cm	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with lwith adjustable level and feet	N/A -

The tank is supplied with:

- Removable UV transparent gel tray 20 x 24 cm;
- 2 removable walls for direct casting of gels;
- 1 comb, 1 mm thickness, 44/21 teeth - volume 14/24 µl (Cat.No. 049053)
- safety cover;
- set of cords;
- accessories for buffer recirculation;
- user's manual.

Maxigel THERMO 2 horizontal tank

Gel sizes: 20 x 24 cm or 20 x 12 cm.

- For DNA analysis in high resolution electrophoresis
- For rapid screening after PCR of 96 samples on a single gel
- For long partitions up to 22 cm
- For pulsed field electrophoresis
- For restriction fragment analysis
- Gel tray 20 x 24 cm with eight notches for inserting the combs
- Gel tray 20 x 12 cm with 3 notches
- 44-tooth combs compatible with multi-channel pipettes
- Preparatory combs available
- Adjustable height base and built-in spirit level
- Red strips deposits visualisation
- The tank is delivered complete
- Double jacketed base for cryostat cooling
- Buffer volume: 1800 ml
- Maximum number of samples: 352 (with 8 combs compatible with multichannel pipettes)
- Dimensions: 28 x 37 x 9 cm

Suggested generators:

- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver
- PS 608: 600 Volts - 800 mA - 300 Watts with Timer and 3 displays

The tank is supplied with:

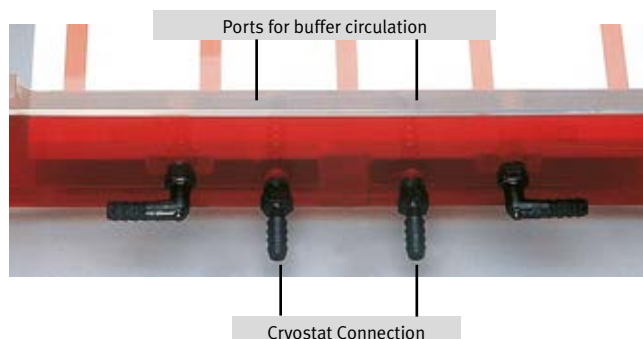
- Removable UV transparent gel tray 20 x 24 cm;
- 2 removable walls for direct casting of gels;
- 2 mm thick comb, 44/21 teeth - volume 28/48 µl;
- safety cover;
- set of cords;
- accessories for buffer recirculation and cryostat connection;
- user's manual.



Cat. No.	Description	Price
049056	Maxigel THERMO 2 Tank complete	N/A -
049040	UV transparent tray 20 x 24	N/A -
049041	UV transparent tray 20 x 12	N/A -
049003	Set of cords	N/A -
049004	Separate gel casting system with lwith adjustable level and feet	N/A -

Combs

Same combs as the Maxigel ECO 2 tank (see above).



Maxigel XL and XXL horizontal tanks

Maxigel XL

Gel size: 23 x 25 cm.

Applications:

- long separations for high resolution (max. 23 cm)
- short separations of 500 samples (10 combs 50 teeth) / 250 samples (10 combs 25 teeth) / or 240 samples + 20 markers (10 combs 24 teeth + 2 markers)

Maxigel XXL

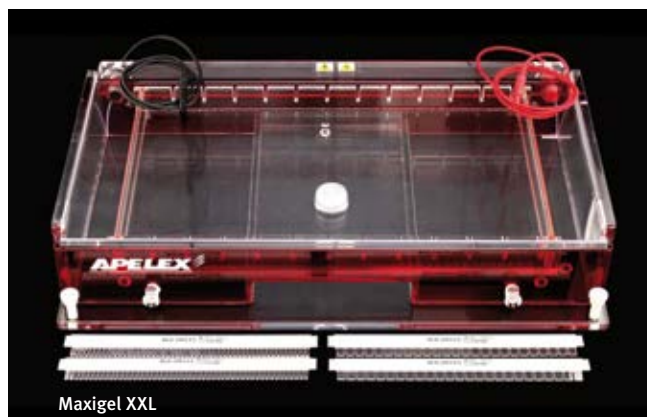
Gel size: 23 x 40 cm (standard rack) or 23 x 25 cm (optional rack).

Applications:

- long separations for high resolution (max. 38 cm)
- short separations of 600 samples (12 combs 50 teeth) / 300 samples (12 combs 25 teeth) / or 288 samples + 24 markers (12 combs 24 teeth + 2 markers)

Maxigel XL and XXL tanks are delivered with:

- rack 23 x 25 cm with sliding walls for gel pouring (Maxigel XL tank); rack 23 x 40 cm with sliding walls for gel pouring (Maxigel XXL tank);
- 2 combs 25 teeth 1 mm - 16 µl* samples;
- 2 combs 50 teeth 1 mm - 7 µl* samples;
- 1 sliding cover with integral power cords;
- Connectors set for buffer circulation
- (* for a 5 mm thick gel)
- Optional: 25 or 50 well guides for sample deposition.



	Maxigel XL	Maxigel XXL
Maximum number of combs	10	12 (rack 23 x 40 cm) / 10 (rack 23 x 25 cm)
Buffer volume	3000 ml	4500 ml
Agarose volume for 1 x 5 mm thickness gel	300 ml	460 ml
L x W x H tank	32 x 37.5 x 10.5 cm	32 x 53 x 10.5 cm
Adjustable feet	2	2
Spirit level	Yes	Yes
Ports for buffer circulation	2	2
Maximum voltage	200 V	200 V
Cat. No.	049907	049908
Price	N/A -	N/A -

ADVANTAGEOUS: TANKS PACKS + APELEX ELECTROPHORESIS GENERATORS



- | | | |
|--|---|--|
| <p>PS 304 XL</p> <ul style="list-style-type: none"> ➤ 300 V - 400 mA - 100 W | <p>PS 305 XL</p> <ul style="list-style-type: none"> ➤ 300 V - 500 mA - 100 W ➤ Equipped with timer and gel saver | <p>PS 608</p> <ul style="list-style-type: none"> ➤ 600 volts - 800 mA ➤ 300 watt ➤ Equipped with timer and gel saver |
|--|---|--|

Minigel 2



- Removable UV transparent gel tray 5 x 8 cm
- 2 removable walls for direct gel casting
- 1 comb, 1 mm thick, 10 dents, volume 10 µl
- Safety cover
- Set of cords, user manual

PACK A:

Cat. No.	Price
049212B	N/A -

Midigel XL



- Removable UV transparent gel tray 15 x 17 cm
- 2 removable walls for direct gel casting
- One comb, 2 mm thick, 27 teeth, volume 32 µl
- Safety cover
- Set of cords, user manual

PACK B:

Cat. No.	Price
049213B	N/A -

Maxigel eco 2



- Removable UV-transparent gel tray
- 2 removable walls for direct gel casting
- One comb, 2 mm thick, 44/21 teeth - volume 28/48 µl
- Safety cover
- Accessories for buffer recirculation
- Set of cords, user manual

PACK C:

Cat. No.	Price
049214B	N/A -

Maxigel XXL



- Rack 23 x 40 cm with sliding walls for casting
- Rack 23 x 25 cm with sliding walls for casting
- 8 combs 26 teeth 1 mm suitable for multichannel pipettes
- Safety cover
- Set of cords, user manual

PACK H:

Cat. No.	Price
049943B	N/A -

Midigel 2

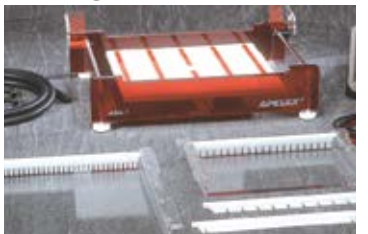


- Removable UV transparent gel tray 10 x 14 cm
- 2 removable walls for direct gels casting
- One comb, 2 mm thick, 16 teeth, volume 24 µl
- Safety cover
- Accessories for buffer recirculation
- Set of cords, user manual

PACK F:

Cat. No.	Price
049217B	N/A -

Maxigel Thermo 2



- Removable UV transparent gel tray 20 x 24 cm
- 2 removable walls for direct gel casting
- A 2 mm thick comb, 44/21 teeth - vol. 28/48 µl
- Safety cover
- Accessories for buffer recirculation and cryostat connection

PACK G:

Cat. No.	Price
049218B	N/A -

Rapid Cast Mini-gel horizontal electrophoresis tanks

For four sizes of gels: 7 x 8, 9 x 11, 12 x 14, 23 x 14 cm. The units are delivered with:

- a fast gel casting system that does not require adhesive tape to maintain the seal during gel casting;
- electrophoresis tank with colour coded platinum electrodes;
- safety cover with retractable cords and plugs;
- uV-clear gel tray with silicone seals, 2 comb slots and a fluorescent ruler;
- two combs;
- anti-slip pads.

Rapid Cast Mini-gel Tank 7 x 8 cm

Recommended migration conditions:
5 volts per cm of distance between the electrodes, either. $5 \times 19 = 95$ volts (or 110 volts at constant voltage).

Model	Rapid Cast Mini-gel Tank 7 x 8 cm
Description	Mini gel system
System dim. (W x L x H)	12 x 17.6 x 9.5 cm
Gel dimensions (W x L)	7 x 8 cm
Comb slots	2
Circulation Capacity	~ 400 ml
Agarose capacity (0.5 cm gel)	28 ml
Ports for circulation	Opcional
Max. sample capacity	24
Max. samples, l. full	12
Maximum voltage	150 V
Distance between electrodes*	18 cm
Standard components	Electrophoresis tank with electrodes of colour-coded plate, safety covers with retractable cords and plugs
Combs supplied	1 comb 6 teeth and 1 comb 10 teeth, 1.5 mm thick
Complete system Cat. No.	4902000
Price	N/A -

* Recommended conditions: 5 volts per cm of electrode or constant 110 V .



Accessories

Cat. No.	Description	Price
4902012	Tray for gel 7 x 8 cm	N/A -
4902014	Tray for 3 gels 7 x 8 cm	N/A -
4902016	Replacement seals (2 unit)	N/A -

Recommended migration conditions: 5 volts per cm of distance between the electrodes, i.e. $5 \times 18 = 90$ volts (or 110 volts at constant voltage). Supplied with 2 combs, 10 and 14 teeth, 1.5 mm thick, one of each.

Rapid Cast Mini-gel Tank 9 x 11 cm

Model	Rapid Cast Mini-gel Tank 9 x 11 cm
Description	Increased capacity
System dim. (W x L x H)	15 x 22 x 9.5 cm
Gel dimensions (W x L)	9 x 11 cm
Comb slots	2
Circulation Capacity	~ 600 ml
Agarose capacity (0.5 cm gel)	49.5 ml
Ports for circulation	Opcional
Max. sample capacity	36
Max. samples, l. full	18
Maximum voltage	150 V
Distance between electrodes*	19 cm
Standard components	Electrophoresis tank with electrodes of colour-coded plate, safety covers with retractable cords and plugs
Combs supplied	1 comb 10 teeth and 1 comb 14 teeth, 1.5 mm thick
Complete system Cat. No.	4902017
Price	N/A -

* Recommended conditions: 5 volts per cm of electrode or constant 110 V .



Accessories

Cat. No.	Description	Price
4902031	Tray for gel 9 x 11 cm	N/A -
4902032	Tray for 3 gels 9 x 11 cm	N/A -
4902034	Replacement seals (2 unit)	N/A -

Rapid Cast Mini-gel Tank 12 x 14 cm



Recommended migration conditions:
5 volts per cm of distance between the electrodes, i.e. $5 \times 22.5 = 112.5$ volts or 110 volts at constant voltage). Supplied with 2 combs, 12 and 20 teeth, 1.5 mm thick, one of each. Supplied with a casting tray with two red silicone pads that act as a seal and allow the gel to be prepared in the electrophoresis tank.

Accessories

Cat. No.	Description	Price
4902054	UVT tray for RapidCast for 12 x 14 cm gels, 4 comb slots	N/A -
4902056	UVT tray for RapidCast for 12 x 14 cm gels, 12 comb slots	N/A -
4902058	Tray for 3 gels 12 x 14 cm	N/A -
4902060	Replacement seals (2 unit)	N/A -
4902061	Adjustable horizontal mini gel cast can be used with 8, 10 and 14 cm trays long and up to 12 cm wide	N/A -
4902062	Large adjustable horizontal gel cast can be used with 8, 10 and 14 cm trays long and up to 23 cm wide	N/A -

Rapid Cast Mini-gel Tank 23 x 14 cm



For screening 200 samples in a small format. Microtiter size combs. Delivered with 4 combs 50 teeth, 1.5 mm thick. Delivered with a separate casting tray with clamping screw, in which the gel tray is inserted to prepare the gel.

Accessories

Cat. No.	Description	Price
4902064	Complete system without gel casting	N/A -
4902072	Standard UVT gel tray with cut finish and rinsed for 23 x 14 cm of gels	N/A -
4902062	Large adjustable horizontal gel casting, for 23 x 14 cm gels	N/A -

Model	Rapid Cast Mini-gel Tank 12 x 14 cm
Description	Standard Mini Gel System
System dim. (W x L x H)	18 x 24.5 x 9.5 cm
Gel dimensions (W x L)	12 x 14 cm
Comb slots	2
Circulation Capacity	~ 800 ml
Agarose capacity (0.5 cm gel)	84 ml
Ports for circulation	Opcional
Max. sample capacity	50, 100, 300
Max. samples, l. full	25
Maximum voltage	150 V
Distance between electrodes*	22.5 cm
Standard components	Electrophoresis tank with electrodes of colour-coded plate, safety covers with retractable cords and plugs
Combs supplied	1 comb 12 teeth and 1 comb 20 teeth, 1.5 mm thick
Complete system Cat. No.	4902035
Price	N/A -

* Recommended conditions: 5 volts per cm of electrode or constant 110 V .

Model	Rapid Cast Mini-gel Tank 23 x 14 cm
Description	Mini wide gel system
System dim. (W x L x H)	26 x 29 x 10 cm
Gel dimensions (W x L)	23 x 14 cm
Comb slots	4
Circulation Capacity	~ 1000 ml
Agarose capacity (0.5 cm gel)	161 ml
Ports for circulation	Opcional
Max. sample capacity	200
Max. samples, l. full	50
Maximum voltage	150 V
Distance between electrodes*	22 cm
Standard components	Electrophoresis tank with electrodes of colour-coded plate, safety covers with retractable cords and plugs
Combs supplied	4 x 50 tooth combs, 1.5 mm thick
Complete system Cat. No.	4902065
Price	N/A -

* Recommended conditions: 5 volts per cm of electrode or constant 110 V .

OmniPage vertical electrophoresis tank

- Available in 3 sizes
- Durable, leak-proof injection moulded design
- Platinum electrodes with gold-plated connectors, easy to replace
- MC combs for use with multichannel pipettes
- Runs up to 4 gels at a time

Model	OmniPage Mini	OmniPage Mini-Wide	OmniPage Wave
Dim. W x D x H (mm)	190 x 130 x 150	260 x 160 x 160	300 x 180 x 270
Buffer volume (min/max) (ml)	250 / 1200	600 / 2800	1200 / 5600
Pack content	1 electrophoresis tank, 1 lid, 2 glass plates with wide spacers . 1 mm, 1 outer glass plate, 2 combs, 1 casting base, 1 cooler for buffer solution		
Plates Dim. (W x H) (mm)	10 x 10	20 x 10	20 x 20
Gel dim. (W x H) (mm)	7.5 x 8	18 x 8	16 x 17
Max. sample N° / gel	20	48	48
Total Max. sample N°	80	192	192
Combs supplied	12 teeth, 1 mm thick	24 teeth, 1 mm thick	24 teeth, 1 mm thick
Cat. No.	263246	263247	263248
Price	N/A -	N/A -	N/A -

MC combs for OmniPage Mini-Wide and Wave

Cat. No.	Number of wells	Thickness (mm)	Volume/wells (µl)	Price
263257	18	0.75	40	N/A -
263258	36	0.75	20	N/A -
263259	18	1	50	N/A -
263260	36	1	25	N/A -
263261	18	1.5	80	N/A -
263262	36	1.5	40	N/A -
263263	18	2	100	N/A -
263264	36	2	50	N/A -



MC combs for OmniPage Mini

Cat. No.	Number of wells	Thickness (mm)	Volume/wells (µl)	Price
263249	8	0.75	40	N/A -
263250	16	0.75	20	N/A -
263251	8	1	60	N/A -
263252	16	1	25	N/A -
263253	8	1.5	80	N/A -
263254	16	1.5	40	N/A -
263255	8	2	120	N/A -
263256	16	2	50	N/A -

Hoefler small format vertical gel preparation system



Delivered with:

- Maker with seals
- Front plate with Intel port
- Rectangular glass plates
- Notched alumina plates
- Spring clamps
- 100 pre-cut wax paper sheets
- Space Saver plate
- 5 polycarbonate filler sheets

Preparation system for 1 or 2 gels:

- For 10 x 8 cm or 10 x 10.5 cm plates

Supplied with: 4 clamps, joint pour gel, 4 cames

Multiple preparation system:

- For non-gradient gels, pour the solution directly from the top of the chamber
- The gels are poured at the same time, at the same speed and therefore identical
- Sandwich plates are stretched without the use of grease or adhesives
- Once prepared, the gels, wrapped in plastic film, can be stored in the refrigerator

Multiple preparation system

Cat. No.	Description	Price
151041	Gel maker for 10 gels 10 x 8 cm with plates Includes: 20 rectangular plates 10 x 8 cm, 20 plates notched 10 x 8 cm, 2 spring clamps	N/A -
151042	Gel maker for 4 gels 10 x 8 cm with plates Includes: 10 rectangular plates 10 x 8 cm, 4 plates notched 10 x 8 cm, 2 spring clamps	N/A -
151043	Gel maker for 4 gels 10 x 10.5 cm with plates Includes: 5 rectangular plates 10 x 10.5 cm, 4 plates notched 10 x 10.5 cm, 4 spring clamps	N/A -

Preparation system for 1 or 2 gels

Cat. No.	Description	Price
151044	Preparation system for 2 gels	N/A -

Hoefler Mighty Small II SE 250 - 10 x 8 cm Vertical Electrophoresis System



- For plates up to 10 x 8 cm
- Efficient cooling ensures 1 fine band resolution
- Quick and easy to assemble
- Minimum buffer requirement
- Easily upgradeable to the SE 260 to work with 10 x 8 or 10 x 10.5 cm gels and pre-cast gel cassettes
- 2 gels at once (can run 4 gels at once)
- Alumina plates for better cooling
- Safety cover

Supplied with:

- Lower chamber, upper chamber
- Safety cover
- Seal, 2 clamp seals
- 4 cams
- 10 rectangular glass plates, 10 x 8 cm
- 2 alumina plates, notched, 10 x 8 cm
- 4 spring clamps
- 2 combs 10 wells, 0.75 mm thick
- 4 T-spacers, 0.75 mm thick
- 2 Well Locating Decals
- Gel seal

Cat. No.	Description	Price
151036	Mighty Small II Vertical Electrophoresis System SE 250 complete	N/A -

Model	Mighty Small II SE 250
Glass plate size	10 x 8 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max. Electrical settings	500 V, 500 mA, 12 W
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	16.5 x 18 x 16 cm
Safety certificate	EN61010-1, UL61010A-1, CSA C22.2 1010.1, CE

Hoefler Mighty Small II Deluxe SE 260 Vertical Electrophoresis System - 10 x 10.5 cm or 10 x 8 cm

- Combines the advantages of small size and efficient cooling for protein and nucleic acid screening
- For 10 x 10.5 cm or 10 x 8 cm plates
- Flexible design, can also be used with 10 x 8 cm gels, optional accessories
- Can also be used with pre-cast gels in cassettes
- Efficient cooling ensures 1 fine band resolution
- For 1 or 2 gels, maximum 30 samples under the same migration conditions

Supplied with:

- Lower chamber, upper chamber
- Safety cover
- Seal, 2 clamp seals
- 4 cams
- 10 rectangular glass plates, 10 x 10.5 cm
- 5 alumina plates, notched
- 4 spring clamps
- 2 combs 10 wells, 0.75 mm thick
- 4 T-spacers, 0.75 mm thick
- Gel seal



Model	Small II Deluxe SE 260
Glass plate size	10 x 10.5 cm or 10 x 8 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max. Electrical settings	500 V, 500 mA, 12 W
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	16.5 x 18 x 16 cm
Safety certificate	EN61010-1, UL61010A-1, CSA C22.2 1010.1, CE

Cat. No.	Description	Price
151034	Mighty Small deluxe SE260 Complete Vertical Electrophoresis System,	N/A -
151443	SE260 vertical electrophoresis system for 1 mm thick gel	N/A -
151444	SE260 vertical electrophoresis system for 1.5 mm thick gel	N/A -

Hoefler MiniVE™ SE 300 Vertical Electrophoresis System - 10 x 10.5 cm or 10 x 8 cm

- Glass plates 10 x 10.5 cm or 10 x 8 cm (W x H)
- Passively cooled, producing thin and narrow strips
- For use with pre-filled gels
- Transfer up to 4 gels in 45 minutes with 300 ml buffer using the SE302 blotting module

Supplied with:

- Upper chamber
- Safety cover
- 2 gel modules with seals
- 3 rectangular glass plates, 10 x 10.5 cm (not included with Cat. No. 151033)
- 3 glass plates, notched, 10 x 10.5 cm (not included with Cat. No. 151033)
- 2 combs 10 wells, 1 mm thick (not included with Cat. No. 151033)
- 4 T-spacers, 1 mm thick (not included with Cat. No. 151033)
- Plate separation tool
- Gel seal



Model	Mini VE™ SE 300
Glass plate size	10 x 10.5 cm or 10 x 8 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max electrical settings	
For electrophoresis	500 V and 25 W per module
For blotting	400 mA and 15 W per module
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	19.2 x 17.2 x 18.8 cm
Safety certificate	EN61010-1, UL61010A-1, CSA C22.2 1010.1, CE

Cat. No.	Description	Price
151032	Vertical electrophoresis system MiniVE™ SE 300 complete	N/A -
151033	Vertical electrophoresis system MiniVE™ SE 300 without combs, spacers and glass plates	N/A -

MiniVE Blot module

Cat. No.	Description	Price
151378	MiniVE Blot Module / Included: Blot module, blotter papers (25 sheets), foam sponges x 3 (6 mm thick)	N/A -

MOLECULAR BIOLOGY

Hoefler SE 400 Vertical Air-Cooled Electrophoresis System - 18 x 16 cm



- ▶ **Compact and economical**
- ▶ **Plate 18 x 16 cm**
- ▶ **Manufactured from easy-to-assemble moulded materials**
- ▶ **For the migration of 2 gels by adding 1 divider plate**
- ▶ **Internal seals**
- ▶ **Plates, clamps, spacers, combs interchangeable with SE 600 series**

Supplied with:

- Lower chamber, gel maker with high voltage leads
- Upper chamber
- Safety cover with electrodes
- 2 glass plates 18 x 16 cm
- 2 x 16 cm clamps
- 2 cams
- Slotted seals for upper chamber
- Spirit level
- Laminated seals
- Plate separation tool
- Gel seal
- 15-Well comb, 1.5 mm thick (not included with Cat. No.. 151031)
- 2 spacers, 1.5 mm thick, 2 cm width (not included with Cat. No.. 151031)

Cat. No.	Description	Price
151030	Complete Vertical Electrophoresis System SE 400	N/A -
151031	Standard Vertical Electrophoresis System SE 400 without combs and spacers	N/A -

Model	SE 400
Glass plate size	18 x 16 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max. Electrical settings	500 V, 60 mA, 20 W
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	2x 28 x 15 cm
Safety certificate	EN61010-1, UL31010-1, CSA C22.2 1010.1, CE

Hoefler SE 600 Double Cooled Standard Vertical Electrophoresis System - 18 x 16 cm or 18 x 8 cm



- ▶ **For gels 18 x 16 cm**
- ▶ **For 4 gels simultaneously with up to 112 samples**
- ▶ **For native or denatured polyacrylamide gels and 2D electrophoresis**
- ▶ **Migration of gels at uniform temperatures between 1 and 45 °C**

Supplied with:

- Lower chamber
- Upper chamber
- Safety cover
- Thermostatting
- 6 glass plates 18 x 16 cm
- 4 x 8 cm clamps
- 6 cams
- 2 Slotted seals for upper chamber
- Gel maker
- Spirit level
- 2 laminated seals
- Plate separation tool
- Gel seal
- 2 x 15-well combs, 1.5 mm thick
- 4 spacers, 1.5 mm thick, 2 cm width

Cat. No.	Description	Price
151024	SE 600 Complete Standard vertical electrophoresis system	N/A -

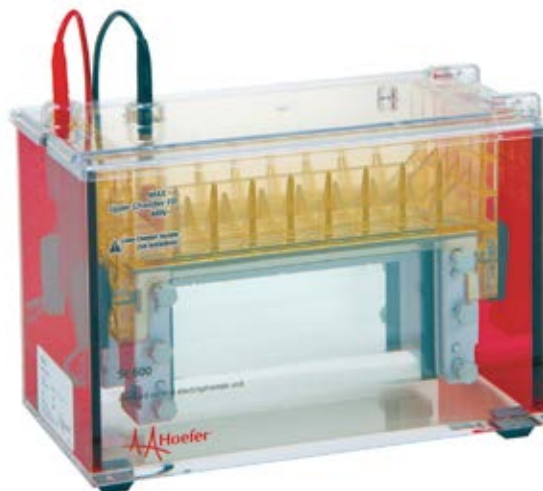
Model	SE 600
Glass plate size	18 x 16 cm or 18 x 8 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max. Electrical settings	1000 V, 500 mA, 50 W
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	32 x 29 x 14 cm
Safety certificate	EN61010-1, UL61010-1, CSA C22.2 1010.1, CE

Hoefler Vertical Electrophoresis System - SE 640 mini and large - 18 x 8 cm

- For rapid migration of HTS samples
- Glass plate 18 x 8 cm maximum
- Enables rapid screening of up to 112 samples simultaneously
- For native or denatured polyacrylamide gels
- For second dimensional migrations using IEP strips or tube gels

Supplied with:

- Lower chamber
- Upper chamber
- Safety cover
- 6 glass plates 18 x 8 cm
- 4 x 8 cm clamps
- 6 cams
- 2 Slotted seals for upper chamber
- Gel maker
- Spirit level
- 2 laminated seals
- Plate separation tool
- 2 x 15-well combs, 1.5 mm thick (not included with Cat. No.. 151027)
- 4 spacers, 1.5 mm thick, 2 cm width (not included with Cat. No.. 151027)



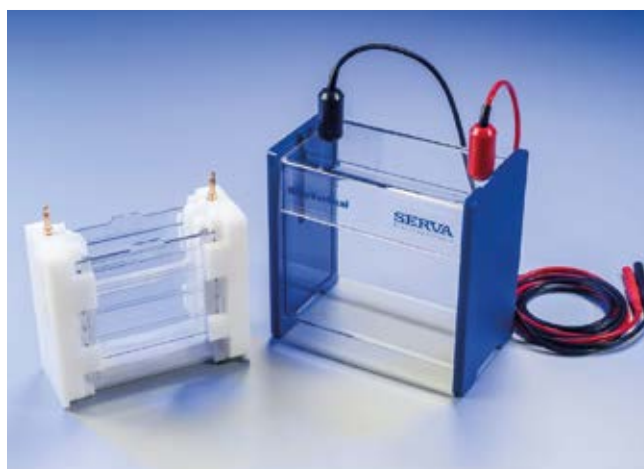
MOLECULAR BIOLOGY

Model	SE 640
Glass plate size	18 x 8 cm
Gap	0.75 mm, 1 mm, 1.5 mm
Max. Electrical settings	1000 V, 500 mA, 50 W
Maximum temperature	45 °C
Humidity	Above 80 %
Dimensions (L x H x D)	32 x 29 x 14 cm
Safety certificate	EN61010-1, UL61010-1, CSA C22.2 1010.1, CE

Cat. No.	Description	Price
151026	SE 640 Complete Standard vertical electrophoresis system	N/A -
151027	Standard Vertical Electrophoresis System SE 640 without combs and spacers	N/A -

BlueVertical Prime electrophoresis system for pre-cast gels 10 x 10 cm

- Robust and compact vertical electrophoresis tank system for 1 or 2 pre-cast gels
- Protein separation in SDS PAGE, native PAGE, isoelectrofocusing and nucleic acids
- For use with ServaGel pre-moulded gels, size 10 x 10 x 0.7 cm
- Easy and quick installation of the pre-filled gel cassettes with holding system to prevent leakage
- The external tank functions as a heat sink allowing passive cooling
- Includes a clear acrylic outer reservoir for tracking migration, internal main unit, platinum-covered electrodes and a secure lid
- Pre-filled gels to be ordered separately (see page 192)



Internal compartment volume (ml)	200
External compartment volume (ml)	450
Max voltage (V)	500
Current (mA)	250
Operating temperature (°C)	4 - 65
Dimensions (L x H x D) (cm)	16 x 15.6 x 9.5
Weight (kg)	1.2
Cat. No.	115766
Price	N/A -

ADVANTAGEOUS:

MINIVERTIGEL 2 + BLOTTERS PACKS WITH OR WITHOUT GENERATOR

**Without
generator**

With PS 304 XL

With PS 305 XL

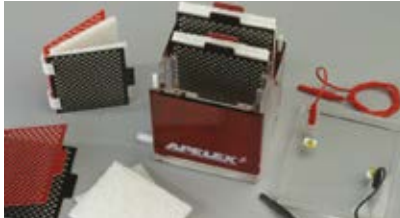
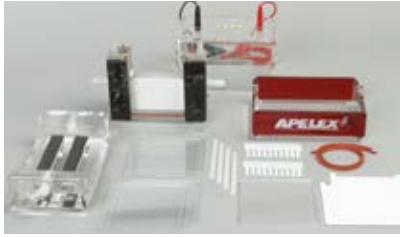


➤ 300 V - 400 mA - 100 W



➤ 300 V - 500 mA - 100 W
➤ Equipped with timer and gel saver

MiniVertigel 2 + Mini GelTrans Blotter



- Migration module
- Lower tank
- Lid and cords
- 2 glass notched plates
- 2 ceramic notched plates
- 4 solid glass plates
- 1 blanking wall
- 2 combs 10 teeth 0.8 mm
- 4 spacers 0.8 mm
- 2 spare seals
- Casting base and seals

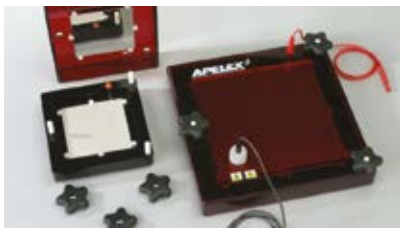
PACK 2:

Cat. No.	Price
049466	N/A -

PACK 1:

Cat. No.	Price
049465B	N/A -

MiniVertigel 2 + Mini Blotter semi-dry



- Migration module
- Lower tank
- Lid and cords
- 2 glass notched plates
- 2 ceramic notched plates
- 4 solid glass plates
- 1 blanking wall
- 2 combs 10 teeth 0.8 mm
- 4 spacers 0.8 mm
- 2 spare seals
- Casting base and seals

PACK 4:

Cat. No.	Price
049468	N/A -

PACK 3:

Cat. No.	Price
049467B	N/A -

MiniVertigel 2 + SlimBlotter



- Migration module
- Lower tank
- Lid and cords
- 2 glass notched plates
- 2 ceramic notched plates
- 4 solid glass plates
- 1 blanking wall
- 2 combs 10 teeth 0.8 mm
- 4 spacers 0.8 mm
- 2 spare seals
- Casting base and seals

PACK 5:

Cat. No.	Price
049469B	N/A -

MOLECULAR BIOLOGY

MiniVertigel 2 vertical tank

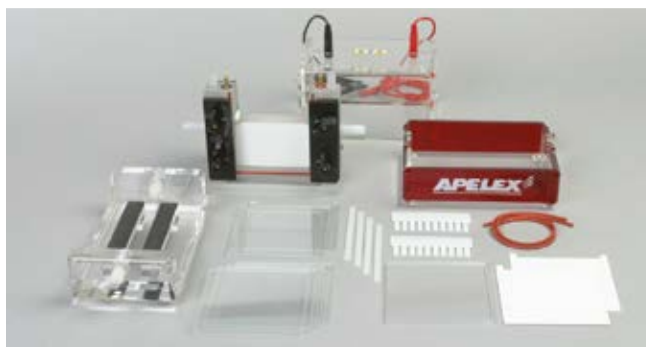
- Plate dimensions W x H: 10 x 10 cm
- Useful gel dimensions: 8 x 9 cm
- Total buffer volume: 250 ml
- Number of samples: 48
- Compatible with pre-cast gels in 10 x 10 cm cassettes

Suggested generators

- PS 304: 300 Volts - 400 mA - 120 Watts
- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver

The tank is supplied with:

- migration module;
- lower tank;
- cover with integral power cords;
- 2 notched glass plates;
- 2 ceramic plates with notch;
- 4 solid glass plates;
- 1 blanking wall;
- 2 combs 10 teeth 0.8 mm
- 4 spacers 0.8 mm;
- 2 replacement seals;
- casting base and seals.



Cat. No.	Description	Price
049221	Complete MiniVertigel 2 for 2 gels 0.8 mm 10 x 10 cm with casting base	N/A -
049241	Solid glass plate 10 x 10 cm	N/A -
049242	Glass notched plate 10 x 10 cm	N/A -
049243	Aluminium notched plate 10 x 10 cm	N/A -

MidiVertigel 2 vertical tank

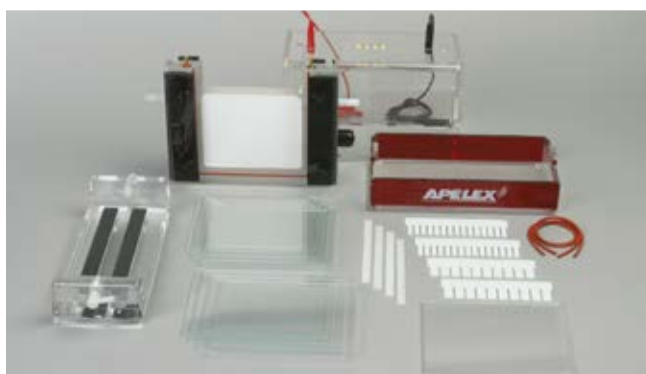
- Plate dimensions W x H: 16 x 14 cm
- Useful gel dimensions: 14 x 12.5 cm
- Total buffer volume: 650 ml
- Number of samples: 48

Suggested generators

- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver
- PS 608: 600 Volts - 800 mA - 300 Watts with Timer and 3 displays

The tank is supplied with:

- migration module;
- lower tank;
- cover with integral power cords;
- 4 notched glass plates;
- 4 solid glass plates;
- 1 blanking wall;
- 2 combs 10 teeth 1.5 mm
- 2 combs 15 teeth 1.5 mm
- 8 spacers 1.5 mm;
- 2 replacement seals;
- casting base and seals.



Cat. No.	Description	Price
049222	MidiVertigel 2 for 2 gels 1.5 mm 16 x 14 cm with casting base	N/A -
049263	Solid glass plate 16 x 14 cm	N/A -
049264	Glass notched plate 16 x 14 cm	N/A -

Mini Wide Vertigel 2 Vertical tank

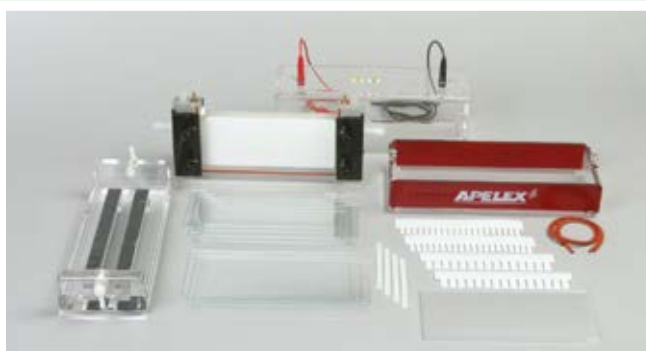
- Plate dimensions W x H: 20 x 10 cm
- Useful gel dimensions: 18 x 8 cm
- Total buffer volume: 650 ml
- Number of samples: 72

Suggested generators

- PS 305: 300 Volts - 500 mA - 150 Watts with Timer and Gel Saver
- PS 503: 500 Volts - 300 mA - 150 Watts with Timer and Gel Saver
- PS 608: 600 Volts - 800 mA - 300 Watts with Timer and 3 displays

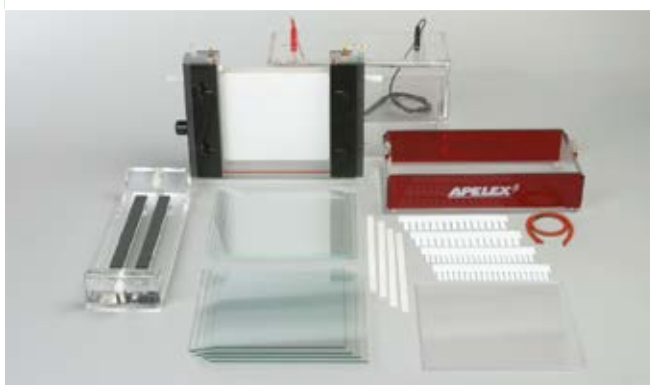
The tank is supplied with:

- migration module;
- lower tank;
- cover with integral power cords;
- 4 glass notched plates;
- 4 solid glass plates;
- 1 blanking wall;
- 2 combs 15 teeth 0.8 mm
- 2 combs 20 teeth 0.8 mm
- 8 spacers 0.8 mm;
- 2 replacement seals;
- casting base and seals.



Cat. No.	Description	Price
049223	Mini Wide Vertigel 2 for 2 gels 0.8mm 20 x 10 cm with casting base	N/A -
049286	Solid glass plate 20 x 10 cm	N/A -
049287	Glass notched plate 20 x 10 cm	N/A -

H-Vertigel 2 vertical tank



- Plate dimensions W x H: 20 x 20 cm
- Total buffer volume: 1250 ml
- Useful gel dimensions: 18 x 18 cm
- Number of samples: 50

Suggested generators

- PS 608: 600 Volts - 800 mA - 300 Watts with Timer and 3 displays
- PS 1006: 1000 Volts - 600 mA - 300 Watts with Timer and 3 displays
- PS 1006P: 1000 Volts - 600 mA - 300 Watts with Timer and 3 displays

The tank is supplied with:

- migration module;
- lower tank;
- Coverover with integral power cords;
- 4 glass notched plates;
- 4 solid glass plates;
- 1 blanking wall;
- 2 combs 15 teeth 1.5 mm
- 2 combs 20 teeth 1.5 mm
- 8 spacers 1.5 mm;
- 2 replacement seals;
- casting base and seals.



Cat. No.	Description	Price
049224	Complete H-Vertigel 2 for 2 gels 1.5 mm 20 x 20 cm with casting base	N/A -
049440	Solid glass plates 20 x 20 cm	N/A -
049441	Glass notched plates 20 x 20 cm	N/A -

Semi-dry blotters



Ideal for protein transfer < 150 kd. Minigels in 15 minutes.

For the extremely fast and efficient transfer of proteins to membranes. Also for nucleic acids on agarose gel.

Model	Mini semi-dry Blotter	Large semi-dry Blotter
Electrode area	11 x 11 cm	20 x 20 cm
Buffer volume	50 ml	250 ml
Maximum gel size	10 x 10 cm	20 x 20 cm or 4 gels 10 x 10 cm
Maximum current	3 mA/cm ²	3 mA/cm ²
Recommended generators	PS304 or PS305	PS202
Standard Equipment	Stainless steel cathode cover Base with Platinum/Titanium anode Separable power cords 3 adjustment clamps	
Cat. No.	049225	049226
Price	N/A -	N/A -

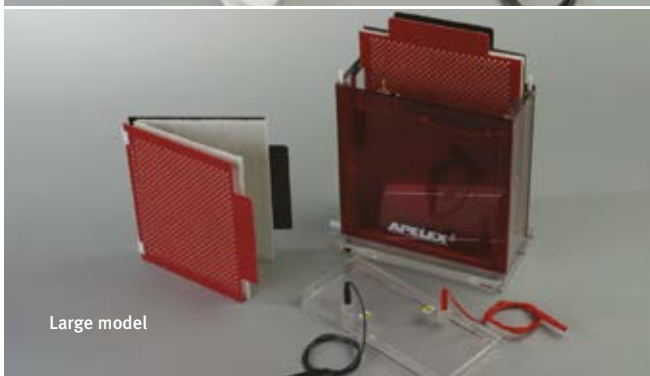
Gel Trans Blotters



Mini model

Two different sized tanks allow the transfer of gels up to 20 x 20 cm. Protected platinum electrodes mounted on removable holders ensure uniform transfer quality.

The sandwich cassettes fit into grooves machined into the sides of the tank, allowing for tight, repeatable clamping without the risk of deformation during transfer. Cryostat cooling system integrated in the base.



Large model

Model	Mini Gel Trans Blotter	Large Gel Trans Blotter
Maximum gel size	10 x 10 cm	20 x 20 cm
Buffer volume	1300	3000
Number of cassettes supplied	4	2
Maximum capacity	4 gels 10 x 10 cm	2 gels 20 x 20 cm
Maximum current	2A (with cryostat)	2A (withcryostat)
Recommended generators	PS 305 or PS 202	PS 202
Equipment	Standard Transfer tank Cover with integral cords	
	4 cassettes 10 x 10 cm	2 cassettes 20 x 20 cm
	4 sets of 2 abrasive buffers	2 sets of 2 abrasive buffers
Cat. No.	049227	049228
Price	N/A -	N/A -

Fastgene® Protein electrophoresis tank

- To be used with pre-cast IC gels (10 x 8 cm); for two gels
- With innovative system for fixing the pre-filled gel cassettes, preventing leakage
- During electrophoresis, the cassettes are completely immersed in the migration buffer, which ensures good cooling and therefore better resolution with thinner bands
- Low tank volume: saving expensive reagents (MOPS or MES)

Dimensions (L x W x H)	18 x 8 x 18 cm
Lid, tank, sides material	Ultrapure Acryl
Seals	Silicone
Buffer capacity	500 ml
Voltage / Power	0 - 600 Vdc / 0 - 100 mA
Temperature range	0 - 50 °C
Cat. No.	523004
Price	N/A -



The Fastgene® electrophoresis tank is supplied complete with tanks, anode and cathode electrodes, lid with cables, sealing gasket, two acrylic plates.

Unigel Dryer

Large drying area for agarose gels or polyacrylamide gels.

- Aluminium containers
- Excellent chemical resistance
- Polyethylene sheets for use as gel carriers
- Silicone seal for a good vacuum against the heating surface
- Supplied with a 34 x 44 cm Teflon frit
- Microprocessor control via RS232
- To be completed by a vacuum pump system
- 2 year warranty



Drying surface	450 x 350 mm
Dimensions (L x D x H)	495 x 485 x 85 mm
Voltage / Power (W)	220 - 110 Volts / 600 W
Cat. No.	044900
Price	N/A -



MBP electroporation cuvettes

Sterile electroporation cuvettes compatible with all brands of electroporators.

- Waterproof cap
- Colour code and inscription area
- Individual packaging

Cat. No.	Code Colour	Slot width (mm)	Units/box	Price/box
038189	White	1	50	N/A -
038190	Blue	2	50	N/A -
038191	Green	4	50	N/A -



Electroporation cuvettes

- With coloured cap
- Sterile, single pack
- Manufactured in a clean room
- In medical grade polycarbonate
- Electrode treatment with 11 washing steps to ensure homogeneous pulses

Cat. No.	Model	Width (mm)	Units/box	Price/box
4905020	Standard	1	50	N/A -
4905021	Standard	2	50	N/A -
4905022	Standard	4	50	N/A -



Ultrafiltration / Amicon

Ultracel ultrafiltration membrane (made of regenerated cellulose)

With very low protein adsorption, it can concentrate and desalinate very dilute solutions. Its ultra-fine microstructure allows very high retentions with extremely low specific adsorption of proteins, DNA or other macromolecules. This membrane is available on the Amicon Ultra and Centricon Plus-70 range.

Durapore microporous membrane (PVDF)

With low protein adsorption and low extractables, it can be used to clarify samples, recover DNA from agarose gels and retain chromatography resins.

Durapore membranes allow the passage of soluble proteins or nucleic acids and retain cell fragments, whole cells or particles. The Durapore membrane is extremely hydrophilic and provides the lowest adsorption to proteins or other biomolecules of any microporous membrane on the market. The Durapore membrane is used in the Ultrafree-MC and CL.

See Amicon™ Ultra, Amicon™ Pro next page

Merck Millipore's Amicon family of products offers you the widest selection of ultrafiltration products for protein processing and molecular biology applications.

Centrifugal filtration allows biological samples to be concentrated, desalted, diafiltered and clarified quickly and reproducibly. Centrifugal filtration also reduces processing times, increases sample recovery efficiency, allows higher concentration factors to be achieved and further desalination of samples.

The choice of a centrifuge unit will depend on several factors:

- the starting concentration of the sample;
- the starting volume;
- the desired concentration factor;
- the user's centrifuge equipment.

While some units favour high sample recovery efficiencies, others will allow for high ultrafiltration rates.

Membrane	Retention	Passage
Ultrafiltration	Proteins, DNA, viruses	Salts, sugars, amino acids, oligonucleotides
Microporous	Cells, precipitates, resins, beads, particles	Salts, proteins, nucleic acids, viruses

Sample type	Membrane	Material	Cut-off point
Dilute, extremely pure sample requiring low adsorption	Ultracel	Regenerated Cellulose	3000 Da, 10000 Da, 30000 Da, 50000 Da, 100000 Da
Cells, precipitate, bead, resin requiring the passage of molecules soluble such as proteins, nucleic acids or salts	Durapore	hydrophilic PVDF	0.1 µm, 0.2 µm, 0.45 µm, 0.65 µm, 5 µm

Amicon Ultra 0.5 and 2 ml



Centrifugal ultrafiltration device for dilute protein solutions. Insert tube with ultrafiltration membrane.

For the concentration and purification of proteins, antibodies and nucleic acids, desalting and diafiltration, removal of unincorporated primers, linkers and markers.

- > Very high reproducibility
- > Numerous cut-off points available
- > Very high sample recovery (>90%) due to reverse centrifugation method
- > For PCR products purification, use 30 kDa units

	Amicon Ultra 2 ml	Amicon Ultra 0.5 ml
Max. initial volume	2 ml	0.5 ml
Final volume	15 - 70 µl	15 - 20 µl
Max centrifugal force	4000 g (fixed rotor) 7500 g (tilting rotor)	14000 g
Tube format	-	Microtube 1.5 ml

Threshold of kDa cut-off	Amicon Ultra 0.5 ml								Amicon Ultra 2 ml	
	Cat.No. 8 units	Price 8 units	Cat.No. 24 units	Price 24 units	Cat.No. 96 units	Price 96 units	Cat.No. 500 units	Price 500 units	Cat.No. 24 units	Price 24 units
3	051823	N/A	051824	N/A	051826	N/A	051831	N/A	053716	N/A
10	051828	N/A	051829	N/A	051830	N/A	051827	N/A	053717	N/A
30	051850	N/A	051851	N/A	051852	N/A	051853	N/A	053718	N/A
50	051854	N/A	051855	N/A	051856	N/A	051857	N/A	053719	N/A
100**	051858	N/A	051859	N/A	051860	N/A	051861	N/A	053720	N/A

** Max. centri force: 5000 g for proteins / 2000 g for nucleic acids

Amicon™ Ultra centrifugal ultrafiltration units

- With Ultracel™ membrane made of low-adsorption regenerated cellulose, ideal for use with dilute protein solutions
- Also suitable for rapid filtration of complex media such as serum or cell lysates
- Fast: 10 to 20 minutes of centrifugation
- High sample recovery (> 90 %)
- Compatible with different rotors
- Fixed angle and tilting basket
- Innovative design
- 1 centrifugation step only
- 100% integrity tested



See description of the Amicon™ range on previous page

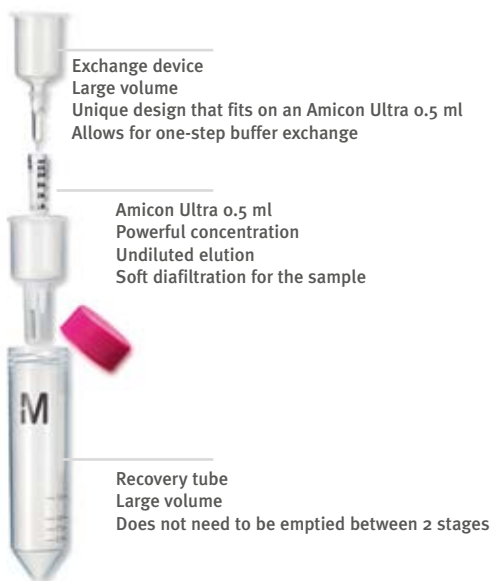


Threshold of kD cut	Amicon Ultra 4 ml						Amicon Ultra 15 ml					
	Cat. No. 8 units	Price 8 units	Cat. No. 24 units	Price 24 units	Cat. No. 96 units	Price 96 units	Cat. No. 8 units	Price 8 units	Cat. No. 24 units	Price 24 units	Cat. No. 96 units	Price 96 units
3	051775	N/A -	051776	N/A -	051777	N/A -	051783	N/A -	051784	N/A -	051785	N/A -
10	044020	N/A -	044021	N/A -	044022	N/A -	044029	N/A -	044030	N/A -	044031	N/A -
30	044023	N/A -	044024	N/A -	044025	N/A -	044032	N/A -	044033	N/A -	044034	N/A -
50	051381	N/A -	051382	N/A -	051383	N/A -	051389	N/A -	051390	N/A -	051391	N/A -
100	044026	N/A -	044027	N/A -	044028	N/A -	044035	N/A -	044036	N/A -	044037	N/A -

Amicon™ Pro ultrafiltration units

- Applications: affinity purification, antibody labelling, diafiltration, buffer exchange and sample clean-up
- Works with a wide range of resins
- Available in different sizes, with or without resin
- All-in-one device: all steps combined in one system
- Simple to use: one tank for recovery of eluate by reverse centrifugation
- Preserves the integrity of the sample
- Less contamination
- Preserves the activity of proteins

Recommended volumes	Min	Max
Lysate/Sample	250 µl	10 ml
Agarose resin	50 µl	200 µl
Elution volume	20 µl	200 µl



Amicon™ Pro with an agarose resin tube with different devices

- Protein A or G
- Ni-NTA for histidine-tagged proteins
- GST for GST-tagged proteins
- The quantity of resin corresponds to that required for 12 experiments with an average bead volume of 200 µl

Threshold of kDa cut-off	Amicon™ Pro GST Reagent Kit		Amicon™ Pro and Ni-NTA Reagent Kit	
	Cat.No. 12 units	Price 12 units	Cat.No. 12 units	Price 12 units
3	057740	N/A -	-	-
10	057744	N/A -	-	-
30	-	-	057749	N/A -

Amicon™ Pro

- Sold in trial packs (packaging of 2 specially dedicated to tests), by 12 or by 24

Threshold of kDa cut-off	Cat. No. Trial pack	Price the Trial pack	Cat. No. 12 units	Price 12 units	Cat. No. 24 units	Price 24 units
3	057763	N/A -	057764	N/A -	057765	N/A -
10	057766	N/A -	057767	N/A -	057768	N/A -
30	057769	N/A -	-	-	057771	N/A -
50	057772	N/A -	057773	N/A -	057774	N/A -
100	-	-	057776	N/A -	057777	N/A -

Ultrafree MC - Ultrafree CL filtration tubes



Microfiltration on 2 ml microtubes. Durapore (PVDF) membrane. For the removal of particles and precipitates from aqueous samples, ideal for use with nucleic acid and protein solutions.

	Ultrafree-MC	Ultrafree-CL
Max. Volume	500 µl	2 ml
Centrifugal force	12000 g	5000 g
Filtration area (cm ²)	0.2	0.8
Centrifuge tube	Microtube 2 ml	Tube 15 ml
Dead volume	< 5 µl	< 10 µl
ø x W (mm)	10.6 x 45	16.3 x 77

Pores size (µm)	Colour		Ultrafree-MC	Ultrafree-CL
0.1	Orange	Cat. No.	051014	051027
		Units/box	25	25
		Price/box	N/A -	N/A -
0.22	Yellow	Cat. No.	051015	051028
		Units/box	25	25
		Price/box	N/A -	N/A -
0.45	Red	Cat. No.	051016	051029
		Units/box	25	25
		Price/box	N/A -	N/A -
0.65	Violet	Cat. No.	051017	051030
		Units/box	25	25
		Price/box	N/A -	N/A -
5	Dark Green	Cat. No.	051018	051031
		Units/box	100	25
		Price/box	N/A -	N/A -

Centricon Plus-70 Centrifuge Filters



Centrifugal filtration units with Ultracel PL membrane (high recovery).

- > High recovery rate (> 90 %)
- > For use in a 250 ml tube rotor with movable cups

> Applications

- > Concentration, purification, desalting of proteins
- > Concentration and desalting of chromatographic eluates
- > Concentration of monoclonal antibodies, viruses
- > Clarification of cell homogenates
- > Purification of cell lysates

Initial maximum volume (ml)	70	Cut-off point Da	Cat.No.	Units/box	Price/box
Final concentrate volume (µl)	350				
Centrifugal force	3500 g	10000	051555	8	N/A -
Filtration area (cm ²)	19	30000	051556	8	N/A -
ø x W (mm)	60 x 121	100000	051557	8	N/A -
Tube Format	250 ml				

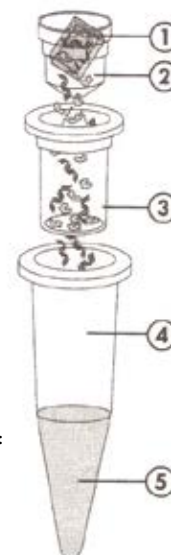
Gel Extraction DNA Assembly Kit



For DNA extraction from agarose gels

Tube for the recovery of 100 to 10 000 bp DNA fragments from agarose gels. The kit includes 50 DNA extraction microtubes and 500 ml of modified 5x TAE buffer (0.1 mM EDTA instead of 1 mM EDTA).

- > Simple: just place a piece of gel in the nebuliser of the unit
- > Fast: 10 minute centrifugation
- > Fully functional DNA
- > No further steps required
- > Single use, avoids cross-contamination
- > Ideal for use with radioactive samples
- > 2 ml microtube format: 10.6 x 45 mm
- > filtration area: 0.2 cm²
- > Centrifugal force: 5000 g



Exploded view of an Ultrafree-DA:

- 1 - Gel
- 2 - Gel nebulizer
- 3 - Filter insert
- 4 - Microcentrifuge tube
- 5 - DNA

Cat. No.	Cat. No. Millipore	Description	Units/box	Price/box
051343	LSKGEL050	Gel Extraction KINC Assembly	50	N/A -

Multiscreen PCR



Purification of PCR products.

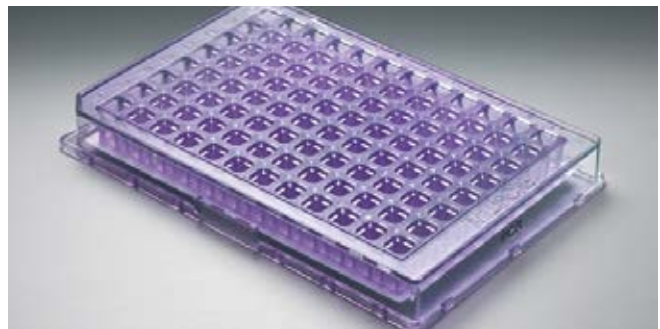
96-well plate with ultrafiltration membranes developed specifically for the purification of PCR products.

Used for applications such as sequencing, genotyping, microarray preparation and cloning applications.

Its 10-minute protocol (well loading, vacuum filtration, DNA resuspension) does not involve washing, solvents or salts and allows optimal sample recovery with high purity.

Percentage of recovery:

Pairs of recovery	Percentage bases
137 pb	70 %
301 pb	78 %
500 pb	> 90 %
1159 pb	> 90 %



Cat. No.	Cat. No. Merck Millipore	Description	Units/box	Price/box
051001	MSNU03010	PCR Multiscreen Plate	10	N/A -
051002	MSNU03050	PCR Multiscreen Plate	50	N/A -
051621	MSVMHTS00	Filter holder HTS	1	N/A -
051738	LSKMPCR10	PCR Multiscreen Plate µ96	10	N/A -
051462	LSKMPCR50	PCR Multiscreen Plate µ96	50	N/A -

Miniprep assembly kit, Cleanup SEQ assembly kit

Cat. No.	Description	Price 24 units
051279	Miniprep assembly kit	N/A -
051282	Cleanup SEQ assembly kit	N/A -

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Multiscreen Classic plate range (non-HTS format)



Pore size (µm)	Membrane	Plastic		Non-sterile 10 units	Non-sterile 50 units	Typical applications
0.45	Durapore (PVDF hydrophile)	Transparent	Cat. No. Merck Millipore	MAHVN4510	MAHVN4550	Approved for clinical diagnosis, protein kinase/phosphatase assays, sample preparation, removal of Dye Terminators.
			Cat. No.	051004	051005	
			Price	N/A -	N/A -	



See page 1000 in the 'Filtration' section for the Multiscreen Classic range.

Wellvac vacuum filtration system

- Simplifies and reduces the time required for nucleic acid purification
- Replaces the centrifugation steps, except for the final nucleic acid collection step
- Unique design allows use of both 96-well plates and columns
- Supplied complete with purification column adapter (24 positions), luer connectors, luer plugs and waste container
- Possibility to collect the effluent in a 1.2 l PES bottle

Cat.No.	Description	Price
886059	Wellvac 200	N/A -
886060	Wellvac 200 with Rocker 300 pump	N/A -

Accessories

Cat.No.	Description	Price
886063	Luer connector for Wellvac 200 (pack of 25)	N/A -
886064	Luer plug for Wellvac 200 (pack of 25)	N/A -
886065	Deepwell tank 96 x 2 ml	N/A -
886066	1.2l PES waste tank bottle	N/A -
886068	Silicone tube 30 cm	N/A -



Sartorius Vivaflow filtration system

- Crossflow filtration system easy to install and use: delivered with all its connections
- To be used with a variable speed peristaltic pump (200 to 400 ml/mn), type MASTERLEX
- Low dead volume
- Membrane suitable for the concentration of biological fluids
- High recovery rates
- Reliable and economical units
- Easy buffer changes with the diafiltration tank

Vivaflow 50 filtration system



Ready-to-use, single-use ultrafiltration module, 50 cm², suitable for volumes from 100 ml to 1 litre per cassette. Modular system with up to 6 cassettes to process samples of up to 5 litres or more.

Material:

- membrane: PES
- filter housing: polycarbonate
- circulation channels and membrane support: TPX (PMP)
- Sealing gasket: silicone
- pressure indicator: polypropylene / spring: stainless steel / body: acetal
- flow restrictor: polypropylene
- fittings: nylon
- tubes: PVC (medical grade)

- L x W x H: 107 x 84 x 25 mm
- Active surface of the membrane: 50 cm²
- Minimum recovery volume: < 10 ml
- Dead volume of the module: 1.5 ml
- Peristaltic pump flow rate: 200 to 400 ml/min
- Operating pressure: 1.5 to 3 bar
- Max. temperature: 60 °C

Vivaflow 50 kit and accessories

Cat. No.	Description	Price
147051	Complete kit with peristaltic pump, "Easy load" pump head for size 16 hoses, hoses, sample / diafiltration tank, module holder, pressure indicator, T-connectors, interconnector set	N/A -
147052	Easy Load pump head size 16	N/A -
147053	500 ml sample tank / diafiltration	N/A -
147054	Support for the use of 2 modules in parallel	N/A -
147055	Pressure indicator (0.5 - 3 bar)	N/A -
147056	PVC hoses size 16 (3 metres, 3.2 x 1.6 mm)	N/A -
147057	Set of 6 flow reducers (2 x 0.4 mm, 0.6 mm, 0.8 mm)	N/A -
147058	Female Luer fittings (10 units)	N/A -
147059	Interconnector set (6 units)	N/A -
147060	T-connectors for connecting 2 modules (2 units)	N/A -

Time (min) for 20-fold concentration at 3 bar inlet pressure and 20 °C

BSA 1 mg/ml (66 000 MW)	1 module Initial Volume 250 ml	3 modules Initial Volume 1 litre	% Yield	
			Direct	With rinsing 10 ml
30 000 Dalton PES	22	32	92 %	99 %
50 000 Dalton PES	20	29	92 %	99 %

Vivaflow 50 modules (including pipes, fittings and flow reducer)

Cat. No.	Description	Units/ box	Price/ box
147044	Vivaflow 50 Module - 3 000 Dalton PES	2	N/A -
147045	Vivaflow 50 Module - 5 000 Dalton PES	2	N/A -
147046	Vivaflow 50 Module - 10 000 Dalton PES	2	N/A -
147047	Vivaflow 50 Module - 30 000 Dalton PES	2	N/A -
147048	Vivaflow 50 Module - 50 000 Dalton PES	2	N/A -
147049	Vivaflow 50 Module - 100 000 Dalton PES	2	N/A -
147050	Vivaflow 50 Module - 0.2 µm PES	2	N/A -

Vivaflow 200 filtration system



200 cm² ready-to-use ultrafiltration unit with reusability.

- L x W x H: 126 x 138 x 38 mm
- Active surface of the membrane: 200 cm²
- Minimum recovery volume: < 20 ml
- Dead volume of the module: 5.3 ml
- Peristaltic pump flow rate: 200 to 400 ml/min
- Operating pressure: 1.5 to 4 bar
- Max. temperature: 60 °C

A single cassette can process samples from 500 ml to 2.5 litres. Two cassettes in parallel will concentrate up to 5 litres or more.

Material:

- membrane: PES or Hydrosart® (regenerated, modified cellulose) filter body and flow channels: acrylic
- Membrane support: polypropylene
- Sealing gasket: silicone
- pressure indicator: polypropylene
- spring: stainless steel / body: acetal / flow restrictor: polypropylene
- fittings: nylon
- tubes: PVC (medical grade)

Time (min) for 20-fold concentration at 3 bar inlet pressure and 20 °C

BSA 1 mg/ml (66 000 MW)	Initial volume 1 litre	Average flow rate ml/mn	% yield	
			Direct	With rinsing 25 ml
30 000 Dalton PES	25	38	96 %	99 %
30 000 Dalton Hydrosart	20	48	96 %	> 99 %
50 000 Dalton PES	22	43	96 %	98 %

Cat. No.	Description	Price
147028	Vivaflow 200 Module - 5 000 Dalton PES	N/A -
147061	Vivaflow 200 Module - 5 000 Dalton Hydrosart®	N/A -
147013	Vivaflow 200 Module - 10 000 Dalton PES	N/A -
147062	Vivaflow 200 Module - 10 000 Dalton Hydrosart®	N/A -
147063	Vivaflow 200 Module - 30 000 Dalton PES	N/A -
147064	Vivaflow 200 Module - 30 000 Dalton Hydrosart®	N/A -
147030	Vivaflow 200 Module - 50 000 Dalton PES	N/A -
147065	Vivaflow 200 Module - 100 000 Dalton PES	N/A -
147066	Vivaflow 200 Module - 0.2 µm PES	N/A -

Vivaflow 200 kit and accessories

Cat. No.	Description	Price
147067	Complete kit with peristaltic pump, "Easy load" pump head for size 16 tubing, tubing, sample tank / diafiltration	N/A -
147052	Easy Load pump head size 16	N/A -
147068	Easy Load pump head size 15	N/A -
147053	500 ml sample / diafiltration tank	N/A -
147057	Set of 6 flow reducers (2 x 0.4 mm, 0.6 mm, 0.8 mm)	N/A -
147056	PVC hoses size 16 (3 metres, 3.2 x 1.6 mm)	N/A -
147069	PVC hoses size 15 (3 metres, 4.8 x 2.6 mm)	N/A -
147058	Female Luer fittings size 16 (10 pcs)	N/A -
147070	Female Luer fittings size 15 (10 pcs)	N/A -
147071	Y-connectors (2 size 15 outputs, 1 size 15 output)	N/A -

Concentrators Vivaspin

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	Vivaspin 500			Vivaspin 2			Vivaspin Turbo 4								
Max. sample volume (ml)	0.5			2			4								
Min. concentrator volume (µl)	5			8			30								
Filtration area (cm ²)	0.5			1.2			3.2								
Max. concentration factor	x 100			x 250			x 133								
Dead volume	< 5 µl			< 10 µl			< 10 µl								
Type of centrifuge	All types with 2.2 ml tubes			All types with 15 ml tubes			All types with 15 ml tube								
Recommended centrifugal force*	3 - 15 000 g			2 - 8 000 g			4000 g								
Membrane Type **	PES			TAC			PES			RC HYDROSART®			Double PES membrane		
Tank Type	Polycarbonate			Polycarbonate			Polycarbonate			Polycarbonate			PP & butadiene-styrene		
Dalton	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box
2000	-	-	-	-	-	-	-	-	-	146685	25	N/A -	-	-	-
2000	-	-	-	-	-	-	-	-	-	146686	100	N/A -	-	-	-
3000	146635	25	N/A -	-	-	-	146660	25	N/A -	-	-	-	150494	25	N/A -
3000	146636	100	N/A -	-	-	-	146661	100	N/A -	-	-	-	150495	100	N/A -
5000	146637	25	N/A -	146654	25	N/A -	146662	25	N/A -	146687	25	N/A -	146693B	25	N/A -
5000	146638	100	N/A -	146655	100	N/A -	146663	100	N/A -	146688	100	N/A -	146694B	100	N/A -
10000	146639	25	N/A -	146656	25	N/A -	146664	25	N/A -	146689	25	N/A -	146695B	25	N/A -
10000	146640	100	N/A -	146657	100	N/A -	146665	100	N/A -	146690	100	N/A -	146696B	100	N/A -
20000	-	-	-	146658	25	N/A -	-	-	-	-	-	-	-	-	-
20000	-	-	-	146659	100	N/A -	-	-	-	-	-	-	-	-	-
30000	146641	25	N/A -	-	-	-	146666	25	N/A -	146691	25	N/A -	146697B	25	N/A -
30000	146642	100	N/A -	-	-	-	146667	100	N/A -	146692	100	N/A -	146698B	100	N/A -
50000	146643	25	N/A -	-	-	-	146668	25	N/A -	-	-	-	146699B	25	N/A -
50000	146644	100	N/A -	-	-	-	146669	100	N/A -	-	-	-	146700B	100	N/A -
100000	146645	25	N/A -	-	-	-	146670	25	N/A -	-	-	-	146701B	25	N/A -
100000	146646	100	N/A -	-	-	-	146671	100	N/A -	-	-	-	146702B	100	N/A -
300000	146647	25	N/A -	-	-	-	146672	25	N/A -	-	-	-	-	-	-
300000	146648	100	N/A -	-	-	-	146673	100	N/A -	-	-	-	-	-	-
1000000	146649	25	N/A -	-	-	-	146674	25	N/A -	-	-	-	-	-	-
1000000	146650	100	N/A -	-	-	-	146675	100	N/A -	-	-	-	-	-	-
0.2 µm	146651	25	N/A -	-	-	-	146676	25	N/A -	-	-	-	-	-	-
0.2 µm	146652	100	N/A -	-	-	-	146677	100	N/A -	-	-	-	-	-	-
Starter kit***	146653	25	N/A -	-	-	-	146678	25	N/A -	-	-	-	-	-	-

* Depending on membrane type and cut-off ** TAC: cellulose triacetate, RC: Regenerated cellulose, PES: Polyethersulfone

**Kit including 5 Vivaspin of each of the following cut-offs: 5, 10, 30, 50, 100 kDa

Suitable for concentration, purification and desalting of biological solutions, removal of primers, amino acids and nucleotides.

- Large filtration area for excellent flow and fast concentration
- Low retention materials and anti-drying system for maximum recovery
- Sloped diaphragms parallel to the centrifugal force for higher efficiency without clogging
- High concentration factor: 100 to 400 fold

Vivaspin Turbo 4 and 15:

Double membrane system for increased concentration speed






Vivaspin 20:

Double membrane system, ensuring increased concentration speed. Can be used for centrifugation and/or with pressure via the optional pressurizable cap. Combined pressure/centrifugation particularly suitable for viscous samples (sera) or low temperature samples

Vivaspin 20 - accessories

Cat. No.	Description	Units/box	Price/box	Cat. No.	Description	Units/box	Price/box
146763	Diafiltration tank	12	N/A -	146767	Female connector	1	N/A -
146764	Vivaspin 20 pressurizable head	1	N/A -	146768	Male connector	1	N/A -
146765	Pressure Controller (APC) - including gauge, safety valve, male and female connection, compatible with other Vivascience pressurisable products	1	N/A -	146769	Tube ø4 mm (3 cm)	1	N/A -

Vivaspin Concentrators continued

															
	Vivaspin 6			Vivaspin Turbo 15			Vivaspin Turbo 15R			Vivaspin Turbo 15RC			Vivaspin 20		
Max. sample volume (ml)	6			4 to 15			15			4 to 15			20		
Min. concentrator volume (µl)	30			100			30			100			50		
Filtration area (cm ²)	2.5 cm ²			7.2 cm ²			3.9 cm ²			8.1			6 cm ²		
Max. concentration factor	x 200			x 150			x 500			x 150			x 400		
Dead volume	< 10 µl			< 10 µl			< 20 µl			< 10 µl			< 20 µl		
Type of centrifuge	All types with 15 ml tubes			All types with 50 ml tubes			All types with 50 ml tubes			All types with 50 ml tubes			All types with 50 ml tubes		
Recommended centrifugal force*	3 - 8 000 g			4000 g			1.5 - 6 000 g			4000 g			1.5 - 6 000 g		
Membrane Type **	PES			Double PES membrane			RC HYDROSART			Regenerated cellulose			Double PES membrane		
Tank Type	Polycarbonate			PP & butadiene-styrene			Polycarbonate			PP & butadiene-styrene			Polycarbonate		
Dalton	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box	Cat.No.	Units/box	Price/box
2000	-	-	-	-	-	-	146736	12	N/A -	-	-	-	-	-	-
2000	-	-	-	-	-	-	146737	48	N/A -	-	-	-	-	-	-
3000	-	-	-	150205	12	N/A -	-	-	-	-	-	-	146744	12	N/A -
3000	-	-	-	150206	48	N/A -	-	-	-	-	-	-	146745	48	N/A -
5000	146706	25	N/A -	150207	12	N/A -	146738	12	N/A -	-	-	-	146746	12	N/A -
5000	146707	100	N/A -	150208	48	N/A -	146739	48	N/A -	147091	48	N/A -	146747	48	N/A -
10000	146708	25	N/A -	150209	12	N/A -	146740	12	N/A -	-	-	-	146748	12	N/A -
10000	146709	100	N/A -	150210	48	N/A -	146741	48	N/A -	-	-	-	146749	48	N/A -
30000	146710	25	N/A -	150211	12	N/A -	146742	12	N/A -	-	-	-	146750	12	N/A -
30000	146711	100	N/A -	150212	48	N/A -	146743	48	N/A -	-	-	-	146751	48	N/A -
50000	146712	25	N/A -	150213	12	N/A -	-	-	-	147096	12	N/A -	146752	12	N/A -
50000	146713	100	N/A -	150214	48	N/A -	-	-	-	147097	48	N/A -	146753	48	N/A -
100000	146714	25	N/A -	150215	12	N/A -	-	-	-	147098	12	N/A -	146754	12	N/A -
100000	146715	100	N/A -	150216	48	N/A -	-	-	-	-	-	-	146755	48	N/A -
300000	146716	25	N/A -	-	-	-	-	-	-	-	-	-	146756	12	N/A -
300000	146717	100	N/A -	-	-	-	-	-	-	-	-	-	146757	48	N/A -
1000000	146718	25	N/A -	-	-	-	-	-	-	-	-	-	146758	12	N/A -
1000000	146719	100	N/A -	-	-	-	-	-	-	-	-	-	-	-	-
0.2 µm	146720	25	N/A -	-	-	-	-	-	-	-	-	-	146760	12	N/A -
0.2 µm	146721	100	N/A -	-	-	-	-	-	-	-	-	-	146761	48	N/A -
Starter kit***	146722	5 x 5	N/A -	-	-	-	-	-	-	-	-	-	146762	2 x 6	N/A -

* Depending on the membrane type and the cut-off point

**TAC: cellulose triacetate, RC: Regenerated cellulose, PES: Polyether sulphone

***Kit includes 5 Vivaspins (except Vivaspin 20 kit, comprising 2 Vivaspins) of each of the following cut-offs: 5, 10, 30, 50, 100 kDa (and 0.2µm for Vivaspin 20 kit)

Vivacon 500 and 2 Ultrafiltration system for DNA concentration

- Horizontal membrane design
- Concentration of diluted DNA samples with high yields (+90%) thanks to the Hydrosart® membrane
- Re-spin for quantitative recovery of concentrate: easy to remove re-spin cap
- Vivacon 2: suitable for standard rotors for 15 ml Falcon tubes
- Vivacon 500: suitable for standard rotors for 2.2 ml centrifuge tubes

Threshold of cut	Vivacon 500				Vivacon 2			
	Cat. No. 25 units	Price 25 units	Cat. No. 100 units	Price 100 units	Cat. No. 25 units	Price 25 units	Cat. No. 100 units	Price 100 units
2 000	150166	N/A -	150167	N/A -	150176	N/A -	150177	N/A -
10 000	150168	N/A -	150169	N/A -	150178	N/A -	150179	N/A -
30 000	150170	N/A -	150171	N/A -	150180	N/A -	150181	N/A -
50 000	150172	N/A -	150173	N/A -	150182	N/A -	150183	N/A -
100 000	150174	N/A -	150175	N/A -	150184	N/A -	150185	N/A -



Spin-X Corning® Concentrators



CORNING

3 volumes to choose from, 5 retention thresholds

Vertical membrane and fine channel filtration chamber, minimising membrane saturation and allowing rapid filtration, even for particle-laden solutions.

Concentrator	Spin-X UF 500	Spin-X UF 6	Spin-X UF 20			
Max. sample volume (ml)	0.5	6	20			
Min. volume of concentrate (µl)	5	30	50			
Filtration area (cm ²)	0.5	2.5	6			
Max. concentration factor	X 100	X 200	X 400			
Dead volume (µl)	< 5	< 10	< 20			
Total height (mm)	50	122	116			
Total Ø (mm)	11	17	30			
Max. recommended acceleration (fixed angle) (g)	15000	10000	8000			
Membrane type	Polyethersulfone	Polyethersulfone	Polyethersulfone			
Type of tank	Polycarbonate	Polycarbonate	Polycarbonate			
Cut-off point MWCO	Cat.No.	Price	Cat.No.	Price	Cat.No.	Price
		25 units		25 units		12 units
5 kDa	431477	N/A -	431482	N/A -	431487	N/A -
10 kDa	431478	N/A -	431483	N/A -	431488	N/A -
30 kDa	431479	N/A -	431484	N/A -	431489	N/A -
50 kDa	431480	N/A -	431485	N/A -	431490	N/A -
100 kDa	431481	N/A -	431486	N/A -	431491	N/A -

- Built-in shut-off threshold, avoiding filtering to dryness
- Graduated tube with retention threshold display

ClearSpin filtration microtubes



- 2 ml dolphin nose microtubes with an insert including a filtration membrane
- Supplied assembled, caps closed
- Working volume: 500 µl
- Cellulose acetate or nylon membrane
- Max centrifugal speed: 16000 g



ClearLine®

Membrane	Cellulose acetate		Nylon
Porosity (µm)	0.22		0.22
Sterile	No	Yes	Yes
Units/bag	25 tubes + inserts	24 tubes + inserts	24 tubes + inserts
Cat. No.	007856ACL	007857ACL	007859ACL
Price/bag	N/A -	N/A -	N/A -

ClearSpin insert only without tube or membrane

Cat. No.	Description	Units/bag	Price/bag
007862CL	ClearSpin insert only without tube or membrane	1000	N/A -

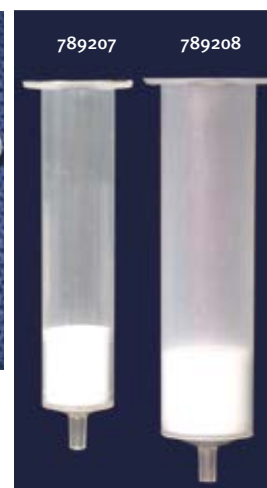


UPrep filter tubes and columns

UPrep and UPrep Micro centrifuge tubes

- For plasmid preparation in mini-preps, gel extraction, or cleaning of PCR elements
- Triple-layer silica gel membrane with selective adsorption according to ionic conditions
- Supplied with 2 ml microtubes
- Kits supplied complete with all reagents supplied with the kits
- Can be used with 2 ml dolphin nose microtubes (Cat.No. 027270), for better sample recovery

Cat.No.	Model	Cap	Max. purif. (µg)	Min. elution volume (µl)	Capacity (µl)	Units/box	Price/box
789068	UPrep	No	25	25	900	50	N/A -
789293	UPrep	Yes	25	25	900	50	N/A -
789294	UPrep Micro	No	5	6	800	50	N/A -



UPrep Midi and Maxi anion exchange elution columns

- For plasmid kits preparation from existing kits

Cat.No.	Model	Purif. Qty. (µg)	Capacity (ml)	Units/box	Price/box
789207	UPrep Midi	20 - 100	12.5	10	N/A -
789208	UPrep Maxi	100 - 500	22	10	N/A -

Corning® Spin-X centrifuge tubes with membrane filter

- Cellulose acetate or nylon membrane
- Ideal for the recovery of bacteria, particles and cells
- Ideal for sample preparation for HPLC and DNA recovery from agarose and acrylamide gels

Cat. No.	Volume (ml)	Membrane	Threshold limit (µm)	Sterile	Units/box	Price/box
008160	2	AC	0.22	Yes	96	N/A -
008161	2	AC	0.22	No	100	N/A -
008162	2	AC	0.45	Yes	96	N/A -
008163	2	AC	0.45	No	100	N/A -
008169	2	Nylon	0.22	No	200	N/A -
008170	2	Nylon	0.45	No	200	N/A -



Membraspin Mini Centrifuge Filter

For biological sample preparation, concentration and desalting. Supplied assembled in a 2 ml microtube with cap attached. The insert fits perfectly into the microtube, allowing closed cap centrifugation.





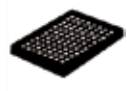
- Porosity 0.22 µm
- Volume in the insert: 500 µl / Dead volume: 5 µl
- For centrifuging in swing or fixed angle rotors
- Max centrifugal speed: 15000 g
- Membrane in non-sterile PES

Cat. No.	Description	Units/box	Price/box
088917	Membraspin Mini Centrifuge Filter	50	N/A -



Decontamination of surfaces and instruments	186
Collection, transport and storage of nucleic acid samples	187 to 188
Nucleic acid electrophoresis	189 to 194
Agarose	189 to 191
Pre-cast gels	192
Buffers	192 y 193
Gel cutting accessories	193 y 194
Blotting, hybridization and revelation	195 to 207
Membranes and blotting papers for nucleic acids	195 y 196
Membranes and blotting papers for proteins	197 to 199
Revelation	200 to 203
Accessories	204 to 207
Reagents and chemicals for Molecular Biology and Biochemistry grades	207
Alternatives to alkylphenol ethoxylate detergents	208

Locate the main types of applications for our products by following the pictograms:

<p>SAMPLE</p>  <p>Human Animal Plant Micro-organism/virus</p>				<p>ELECTROPHORESIS</p>  <p>Electrophoresis</p>		<p>PURIFICATION</p>  <p>Column Magnetic purification Chemical</p>		
<p>SPECIFIC APPLICATIONS</p>  <p>Cloning Genotyping Amplification Quantification NGS</p>					<p>INSTRUMENT</p>  <p>Instrument</p>		<p>MATERIALS</p>  <p>Material</p>	

DNA-ExitusPlus and DNA-ExitusPlus IF - RNase-ExitusPlus



**PanReac
AppliChem**
ITW Reagents

DNA-ExitusPlus

For decontamination in 10 minutes at temperatures of 20 °C or above. For the decontamination of surfaces, equipment, plastics and glassware as well as pipettes. Simply apply the product to the surfaces to be decontaminated or dip the containers in the decontaminant. Instructions for use supplied with the product. Based on bio-degradable compounds. Incorporates a coloured indicator to identify the treated surface before wiping (IF version without indicator).

DNA-ExitusPlus

Volume	100 ml	500 ml	1 l	2.5 l
Spray bottle	049918	049920	-	-
Price	N/A -	N/A -	-	-
Flask	-	-	049922	049923
Price HT	-	-	N/A -	N/A -

DNA-ExitusPlus IF

Volume	100 ml	500 ml
Spray bottle	049927	049929
Price	N/A -	N/A -

RNase-ExitusPlus

Non-alkaline, non-corrosive, non-carcinogenic, highly active cleaning solution for RNase contamination. Stable for about 18 months and heat resistant. Biodegradable, non-toxic compounds. Mineral acids and alkaline substances that are not harmful to equipment even after long incubation times. A temperature of about 50 °C will increase the reaction rate. Store at room temperature.

Volume	500 ml	1 l	2.5 l
Spray bottle	049912	-	-
Price	N/A -	-	-
Flask	-	049914	049915
Price	-	N/A -	N/A -

RNase Away and DNA Away



Remove all traces of RNase and DNA!

➤ RNase Away

Ready to use, RNase Away solution avoids any risk of RNase contamination. In spray bottle or bottle.

➤ DNA Away

To remove all traces of DNA from PCR workstations, benches and equipment. Ready to use.

RNase Away spray bottle and flask

Description	Spray bottle 475 ml	Bottle 250 ml	Bottle 1 litre	Flask 4 litres
Cat. No	038184	038185	038186	038187
Price	N/A -	N/A -	N/A -	N/A -

DNA Away bottle

Cat. No.	Description	Price
038188	250 ml bottle of DNA Away	N/A -

Decontaminant DNADecon



➤ **Highly effective decontamination solution for the removal of DNA and RNA contamination from surfaces, instruments and laboratory equipment**

➤ **Ideal for decontamination of PCR workplaces**

➤ **Can also be used for decontamination of electrophoresis chambers, pipettes, reaction tubes, etc.**

➤ **Advantages: ready to use, non-alkaline, non-carcinogenic**

Cat. No.	Description	Price
215445	250 ml Spray bottle	N/A -
215446	500 ml Refill	N/A -

Qiacard: Qiacard FTA Kit for collect transport, storage and extraction of nucleic acids

Qiacard FTA is a card impregnated with a patented chemistry: when a biological sample is deposited on the FTA, this chemistry lyses the cells and denatures the proteins, while the nucleic acids are extracted and protected in the paper fibres.

The FTA card can be transported at room temperature to the laboratory or can be stored at room temperature for later analysis.

- For various samples: blood, cell cultures, oral cells, plant material, bacteria, plasma
- Storage at room temperature or in the freezer for unstable samples (RNA)
- Available with colour indicator, the deposit area changes colour to facilitate the location of the sample, recommended for colourless samples
- Nucleic acids ready for downstream application in less than 30 minutes
- Prevents the growth of bacteria and fungi
- Protects nucleic acids from environmental degradation
- Reduces the possibility of cross-contamination between samples
- Nucleic acid storage time: 17 years

Qiacard FTA

Cat. No.	Description	Max. sample volume (µl) / circle	Number of circles/unit	Units/box	Price/box
037067	QIAcard FTA Micro	125	1	25	N/A -
036370	QIAcard FTA Micro	125	1	100	N/A -
WB120355	QIAcard FTA Mini	125	2	25	N/A -
036388	QIAcard FTA Mini	125	2	100	N/A -
036745	QIAcard FTA Classic	125	4	25	N/A -
036387	QIAcard FTA Classic	125	4	100	N/A -
036403	QIAcard FTA Gene	75	3	100	N/A -

Qiacard FTA with indicator

WB120311	QIAcard FTA Micro with indicator	125	1	25	N/A -
036372	QIAcard FTA Micro with indicator	125	1	100	N/A -
034987	QIAcard FTA Mini with indicator	125	2	25	N/A -
036375	QIAcard FTA Mini with indicator	125	2	100	N/A -
036749	QIAcard FTA Classic with indicator	125	4	25	N/A -
036360	QIAcard FTA Classic with indicator	125	4	100	N/A -

Qiacard FTA CloneSaver

- For purification of plasmid DNA and bacterial DNA
- With colour indicator
- Storage time of plasmid DNA: 4 years

036367	QIAcard FTA CloneSaver	5	96	5	N/A -
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Qiacard FTA for plant samples

036778	QIAcard FTA PlantSaver	-	-	100	N/A -
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FTA Elute Kit

- FTA kit for collection, transport, storage and extraction of DNA at room temperature
- 12-40 µl per sample collected

036615	QIAcard FTA Elute Micro	40	4	25	N/A -
036820	QIAcard FTA Elute Micro	40	4	100	N/A -
610003	QIAcard FTA Elute Micro with indicator	40	1	25	N/A -
037069	QIAcard FTA Elute Micro with indicator	40	1	100	N/A -

QIAcard FTA DMPK

- Blood, plasma, urine or cerebrospinal fluid samples
- FTA DMPK-A and FTA DMPK-B cards lyse cells and denature proteins.
- The FTA DMPK-C card is not impregnated with chemicals and does not denature proteins, suitable for protein-based biomolecules and antibody studies
- Only 10 - 20 µl of sample

037164	QIAcard FTA DMPK-A	10 - 20	3	100	N/A -
037195	QIAcard FTA DMPK-B	10 - 20	3	100	N/A -
037157	QIAcard FTA DMPK-C	10 - 20	3	100	N/A -
610006	Rack pour 20 QIAcards FTA DMPK	-	-	25	N/A -

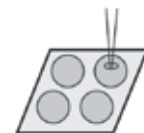
QIAcard Bloodstain

- Non-indicator and non-FTA treated card, for collection, short term handling of samples
- Samples of blood or other body fluids

036401	QIAcard Bloodstain	125	4	100	N/A -
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Apply the sample and let it dry



Cutting a disc from the deposit area



Place the disc in a PCR tube and wash 3 times with the purification reagent - discard the reagent after each wash



Wash twice with TE-1 buffer (10 mM Tris, 0.1 mM EDTA, pH 8) and discard the used buffer after each wash



Dry the disc in the PCR tube



Add the PCR mix directly and amplify



FTA purification reagents and accessories

Cat. No.	Description	Units/box	Price/box
WB120112	QIAcard FTA Wash Buffer, 25 ml	1	N/A -
036374	QIAcard FTA Wash Buffer, 500 ml	1	N/A -
036368	Resealable multi-barrier pouch for CloneSaver 17.8 x 18.7 cm	50	N/A -
610004	Transparent multi-barrier pouch 9.5 x 7.6 cm	100	N/A -
610005	Multi-barrier pouch 10.1 x 11.4 cm	100	N/A -
036398A	Multi-barrier pouch 8 x 7 cm	100	N/A -
036376A	Multi-barrier pouch 9 x 15 cm	100	N/A -
036399	Desiccant 1g moisture indicator	1000	N/A -
WB100032	Swab with foam head for collection of oral samples, sterile	100	N/A -
036396A	Swab with brush-like ejector head for taking oral samples, sterile	100	N/A -
WB100073	Biopsy punch 1 mm	25	N/A -
WB100074	Biopsy punch 1.2 mm	25	N/A -
037223	Biopsy punch 2 mm	25	N/A -
037227	Biopsy punch 3 mm	25	N/A -
037171	Biopsy punch 6 mm	25	N/A -
WB100088	Cutting mat 6.3 x 7.6 cm	1	N/A -
036394	Cutting mat 15.2 x 20.3 cm	1	N/A -
036415	Kit including 4 x 1.2 mm biopsy punches and 2 cutting mats	1	N/A -
034988	Kit including 4 biopsy punches 2 mm and 2 cutting mats	1	N/A -
036826	Kit including 4 biopsy punches 3 mm and 2 cutting mats	1	N/A -
036899	Kit including 4 biopsy punches 6 mm and 2 cutting mats	1	N/A -

Card for collection, transport and storage of samples

For various samples: blood, plasma, oral cells, cell cultures, bacteria, urine, tissue lysate, liquid biopsy, purified DNA

Available in two colours:

- white for easily identifiable samples, such as blood
- pink for colourless samples



Cat. No.	Description	Colour	Max. sample volume (µl) / circle	Number of circles / unit	Units/box	Features	Price/box
175247	GenSaver 2.0	White	5	96	50	Preservation of nucleic acids at room temperature for up to 20 years, eliminates the risk of biological contamination of samples	N/A -
175248					100		N/A -
175249			4	100	N/A -		
175250			2	100	N/A -		
175251			1	100	N/A -		
175252	GenSaver 2.0	Pink	5	96	50	Preservation of nucleic acids at room temperature for up to 20 years, eliminates the risk of biological contamination of samples	N/A -
175253					100		N/A -
175254			4	100	N/A -		
175255			2	100	N/A -		
175256		1	100	N/A -			
175257	GenReleaz 2.0	White	125	4	100	Rapid collection, transport, storage and extraction of DNA at room temperature, storage of nucleic acids at room temperature for up to 20 years	N/A -
175258				2	100		N/A -
175259				1	100		N/A -
175260	GenReleaz 2.0	Pink	125	4	100	Rapid collection, transport, storage and extraction of DNA at room temperature, storage of nucleic acids at room temperature for up to 20 years	N/A -
175261				2	100		N/A -
175262				1	100		N/A -
175263	AutoCollect	White	20	4	100	Sample storage for mass spectrometry analysis, for automated sample analysis, 2 years of nucleic acid storage	N/A -
175264	AutoCollect	Pink	10	4	100		N/A -
175265	AutoCollect with barcode	White	20	4	100		N/A -
175266	Biological samples RUO	White	70	5	100	In pure absorbent fibres, for storage and subsequent analysis of proteins or nucleic acids	N/A -
175267	RUO biological samples with perforations				100		N/A -
175268	CE biological samples with perforations				100		N/A -
175269	RUO card without perforations	White	70	5	100	In pure absorbent fibres, for storage and subsequent analysis of proteins or nucleic acids	N/A -
175270	CE card without perforations				100		N/A -
175271	Card with no perforations				100		N/A -

Accessoire

Cat. No.	Description	Units/box	Price/box
175272	Drying rack	10	N/A -

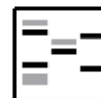
AGAROSE



Molecular biology grade agarose powder



- > Ultra pure agarose with low background noise
- > Easy to dissolve
- > Can be used in low concentrations (0.75 - 2%)
- > Ideal for the separation of fragments from 250 bp to 25 kb
- > Gel strength: < 1000 g/cm (1 %), > 2000 g/cm (1.5 %)
- > Clarity: < 4 NTU



Cat. No.	Description	Price
523277	Agarose 100 g	N/A -
523278	Agarose 500 g	N/A -



Basic agarose

- > Used for the separation of DNA and RNA fragments at concentrations ranging from 0.8 to 2%

Cat. No.	Description	Price
348376	Agarose 500 g	N/A -

Agarose



Cat. No.	Type	Applications	Flask	Price
4905008	High.melting temp./medium.resol..	Standard on DNA	25 g	N/A -
4905009	High. melting temp./medium. resol..	Standard on DNA	500 g	N/A -



Agarose selection guide

Type	EEO	Gel strength (g/cm ²)	Features				Applications	Packaging									
			Gelling temperature	Melting temperature	Fragment size for analytical separation (bp)	50 g		100 g		250 g		500 g		1000 g			
						Cat. No.		Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	
D1 Low EEO	0.05 - 0.13	≥ 1200 (1%)	36 ± 1.5 °C (1.5%)	88 ± 1.5 °C (1.5%)	≥ 1000	High quality, low electroendosmosis agarose for nucleic acid electrophoresis	-	-	777001	N/A	777002	N/A	777003	N/A	777004	N/A	
D1 Medium EEO	0.16 - 0.19	≥ 1000 (1%)					778603	N/A	777008	N/A	777009	N/A	777010	N/A	777011	N/A	
D1 High EEO	0.23 - 0.26	≥ 750 (1%)					778606	N/A	777012	N/A	777013	N/A	777014	N/A	777015	N/A	
D1 LE GQT	0.05 - 0.13	≥ 1200 (1%)					778604	N/A	777005	N/A	777006	N/A	777007	N/A	778508	N/A	
D2	≤ 0.14	≥ 900 (1%)	42 ± 1.5 °C (1.5%)	87 ± 1.5 °C (1.5%)	≥ 1000	Agarose with high thermal stability and high melting temperature for derivatisation, cross-linking or coupling of enzymes, antigens or other substances to the gel structure	778607	N/A	777016	N/A	777017	N/A	777018	N/A	778509	N/A	
D5	≤ 0.12	≥ 1800 (1%)	36 ± 1.5 °C (1.5%)	88 ± 1.5 °C (1.5%)	≥ 1000	High gel strength agarose for blotting, pulsed field electrophoresis	778602	N/A	777019	N/A	777020	N/A	777021	N/A	778510	N/A	
FP DNA	≤ 0.13	≥ 1400 (1%)	36 ± 1.5 °C (1.5%)	88 ± 1.5 °C (1.5%)	≥ 1000	Agarose for applications requiring the best batch-to-batch reproducibility in terms of quality and performance, ideal for forensics and quality control	778601	N/A	777022	N/A	777023	N/A	777024	N/A	778515	N/A	
E	NC	≥ 1000 (1%)	36 ± 1.5 °C (1.5%)	88 ± 1.5 °C (1.5%)	250-23 kb	Standard agarose for routine electrophoresis	778565	N/A	778566	N/A	778519	N/A	778567	N/A	777531	N/A	
LM	≤ 0.12	≥ 500 (1.5%)	≤ 24-28 °C (1.5%)	≤ 65 °C (1.5%)	≥ 1000	Agarose for high resolution electrophoresis, very low melting and gelling temperature, fragment up to 1000 bp	777025	N/A	777026	N/A	777027	N/A	777028	N/A	778511	N/A	
LM GQT	≤ 0.12	≥ 500 (1.5%)	≤ 24-28 °C (1.5%)	≤ 65 °C (1.5%)	≥ 1000	Agarose qualified for in-gel applications (genetic quality), very low melting and gelling temperature, fragments up to 1000 bp	777029	N/A	777030	N/A	777031	N/A	778600	N/A	778516	N/A	
LM SIEVE	≤ 0.10	≥ 1000 (4%)	≤ 35 °C (4%)	≤ 65 °C (4%)	≥ 1000	Agarose for high resolution electrophoresis, very low melting and gelling temperature, fragments up to 1000 bp, tested for in-gel applications	777032	N/A	777033	N/A	777034	N/A	777035	N/A	778517	N/A	
NOVAGEL GQT	≤ 0.13	≥ 800 (4%)	≤ 35 °C (4%)	≤ 65 °C (4%)	50-1000	Agarose qualified for in-gel applications (genetic engineering grade), very low melting and gelling temperature, fragments from 50 to 1000 bp	777036	N/A	777037	N/A	777038	N/A	777039	N/A	778518	N/A	
MS4	≤ 0.12	≥ 500 (3%)	≤ 31 °C (3%)	≤ 76 °C (3%)	150-500	Agarose for high resolution electrophoresis, for the separation of very small nucleic acid fragments (primers) and up to 500 bp	777046	N/A	777047	N/A	777048	N/A	777049	N/A	778514	N/A	
MS6	≤ 0.12	≥ 800 (3%)	≤ 35 °C (3%)	≤ 75 °C (3%)	≤ 1000	Agarose for high resolution electrophoresis, small DNA fragments and PCR products	777050	N/A	777051	N/A	777052	N/A	777053	N/A	778507	N/A	
MS8	≤ 0.12	≥ 600 (1.5%)	≤ 35 °C (3%)	≤ 80 °C (3%)	≤ 1000	Agarose for high resolution electrophoresis, fragments up to 1000 bp	777054	N/A	777055	N/A	777056	N/A	777057	N/A	778512	N/A	
MS12	≤ 0.12	≥ 2000 (1.5%)	≤ 40.5 °C (4%)	≤ 93 °C (4%)	50-1500	Agarose for high resolution electrophoresis, fragments up to 1500 bp	777058	N/A	777059	N/A	777060	N/A	777061	N/A	778513	N/A	

Agarose

Agarose tablets



- Low electroendosmosis (EEO) agarose for rapid DNA or RNA separations
- Suitable for gels from 0.75% to 2% and fragment separations from 250 bp to 23 kb
- Initial dissolution of the pellet for 2 min at room temperature
- Provides time savings and reproducibility for the production of gels

Cat. No.	Description	Units/box	Price/box
523275B	Agarose tablet	100	N/A -



MOLECULAR BIOLOGY

Agarose tablets with or without TAE/TBE buffer and Midori Green Advance



- Tablet sufficient for 50 ml of 1% agarose gel, with or without TAE/TBE buffer, pre-stained with Midori Green Advance
- Tablet to be dissolved in ultrapure water before microwave heating
- All-in-one solution, time saving and reproducibility in gel preparation
- Midori Green Advance is a non-carcinogenic alternative to ethidium bromide for nucleic acid labelling
- Storage at room temperature

Cat. No.	Description	Price
523393	75 agarose tablets, TBE and Midori Green Advance	N/A -
523406	75 agarose tablets, TAE and Midori Green Advance	N/A -
523407	100 agarose tablets and Midori Green Advance	N/A -



Agarose tablets, TAE or TBE buffer and clear G

- For routine DNA and RNA electrophoresis, blotting compatible gels
- Tablet sufficient for 50 ml of 1% agarose gel in TAE or TBE buffer, pre-stained with Clear G
- Tablet to be dissolved in ultrapure water before microwave heating
- All-in-one solution, time saving and reproducibility in gel preparation
- Storage at room temperature

Clear G is a non-carcinogenic alternative to ethidium bromide for nucleic acid labelling (UV or blue light excitation).

Cat. No.	Description	Price
215413	Agarose tablets, TAE buffer and Clear G - box of 75	N/A -
215414	Agarose tablets, TBE buffer and Clear G - box of 75	N/A -

Agarose in flasks

- Agarose in flasks ready to use: mix the flask, heat in the microwave for 1 min. on maximum power, shake gently, microwave again for 30 sec. Repeat until the agarose is completely dissolved.
- Agarose already contains a DNA fluorescence dye: Pronosafe (a non-carcinogenic alternative to ethidium bromide). Excitation wavelength 309, 419 or 514 nm and emission at 537 nm.

Applications Type	Fragments Separation \geq 1000 bp	Fragments Separation \leq 1000 bp	Preparative electrophoresis	High resolution electrophoresis	Protein electrophoresis
D1	•				
LM Sieve		•			•
MS		•	•	•	



Pre-cast gels

EMBITEC pre-cast gels

► Precast gel system 1% agarose with TAE, GelGreen-stained (non-mutagenic and non-cytotoxic BET alternative)

► Separation of fragments from 600 to 10 000 pb

► Gel thickness of 6 mm



► Can be used with the RunOne tank

► The GelGreen allows for a revealing LED system as well as a simplified waste treatment procedure (disposal with biological waste)

Gel size (cm)	Landscape 11.7 x 5.6 cm	Medium 11.7 x 8.9 cm	Landscape 11.7 x 5.6 cm	Portrait 6.5 x 9.5 cm	Portrait 6.5 x 9.5 cm
Well format	12 + 1	5 + 2	24 + 1	10	5 + 1
Well thickness	1 mm	1.5 mm	1 mm	1 mm	1.5 mm
Volume per well	30 µl	3 x 75 µl / 2 x 112 µl	11 µl	15 µl	70 µl
Multi-channel compatibility	12-channel format	No	12-channel format	No	No
Packaging	10 gels/box	5 gels/box	10 gels/box	10 gels/box	10 gels/box
Cat. No.	039090	039091	039092	039093	039094
Price	N/A -	N/A -	N/A -	N/A -	N/A -

Buffer for protein electrophoresis and blotting

ClearLine

Powder buffer ClearLine® for nucleic acid electrophoresis



Fast and easy to use

► 1 bag makes 1 litre of 1X buffer

► No pH adjustment required

► Fast running buffer for high voltage electrophoresis (300 - 350 V); allows rapid separation of fragments of less than 5 kb (a conventional 30 min cycle can be completed in only 10 min)

Cat. No.	Description	Composition	pH	Units/box	Price/box
257081	TAE buffer (Tris-Acetate-EDTA)	40 mM Tris, 20 mM acetic acid, 1 mM EDTA	8.2 - 8.4	100	N/A -
257082	TBE Buffer (Tris-borate-EDTA)	89 mM Tris, 89 mM boric acid, 2 mM EDTA	8.2 - 8.5	50	N/A -
257083	Fast running buffer	-	8.1-8.5	100	N/A -

Nucleic acid electrophoresis buffer

Solution electrophoresis buffers

Cat. No.	Description	Price
348604	TAE 10X, BM grade, 1 l	N/A -
348605	TAE 50X, BM grade, 1 l	N/A -
091582	TBE 10X, BM grade, 500 ml	N/A -
348613	TBE 10X, BM grade, 1 l	N/A -

Solution Preservation buffers

Cat. No.	Description	Price
348619	TE 1X pH 8.0, BM grade, 500 ml	N/A -
091576B	TE 1X pH 8.0, BM grade, 1 l	N/A -
348618	TE 1X pH 8.0 low EDTA, BM grade, 500 ml	N/A -
348617	TE 1X pH 8.0 low EDTA, BM grade, 1 l	N/A -

Hybridization buffer

Cat. No.	Description	Price
091568B	SSC 20X, BM grade, 1 l	N/A -

Washing pad

Cat. No.	Description	Price
702678	TBS 10X pH 7.4, BM grade, 6 x 1 l	N/A -

Freeze-dried buffer

Cat. No.	Description	Price
4905001	TBE 10X for 10 l preparation	N/A -
4905005	SSC 10X for 10 l preparation	N/A -

BUFFER / ACCESSORIES

Buffers

Concentrated TAE buffers

Cat. No.	Description	Packaging	Price
348605	TAE 50 x BM	1 l	N/A -

TAE (Tris-Acetate-EDTA) buffer is used in agarose gel electrophoresis for applications requiring high resolution and low voltage, high molecular weight separation of double-stranded DNA. The solutions are aseptically microfiltered.

Concentrated TAE buffers for electrophoresis gels



Cat. No.	Description	Vol. (ml)	Price
523252	Tris acetate-EDTA 50X	500	N/A -

Ready to use. Calibrated to provide clean strips.

Concentrated TBE buffers

Concentrated TBE buffer x 10
For molecular biology. Electrophoresis buffer.

Cat. No.	Description	Packaging	Price
523253	TBE 10 x BM	500 ml	N/A -
348613	TBE 10 x BM	1 l	N/A -

TBE Buffers



Cat.No.	Description	Vol. (ml)	Price
523253	Tris borate-EDTA 10X	500	N/A -

Buffer powder sachet

For maximum space saving. Dissolve in pure water to obtain the final concentration indicated.



Cat. No.	Buffer (power)	Final quantity	Composition	Price/box
4905001	TBE 10 x	One sachet for 10 litres concentration 1 x	1 x content: 89 mM Tris, 89 mM borate, 1 mM EDTA, pH 8.2 - 8.4	N/A -
4905005	SSC 10 x	One sachet for 10 litres concentration 1 x	1 x content: 150 mM NaCl, 15 mM sodium citrate, pH 7.8 - 8.1	N/A -

Boric acid

Cat. No.	Description	Packaging	Price
091516	Boric acid BM	1 kg	N/A -

TRIS

Cat. No.	Description	Packaging	Price
091572B	TRIS BM	1 kg	N/A -

Ethylenediaminetetraacetic acid

Cat. No.	Description	Packaging	Price
348307	Ethylenediaminetetraacetic acid disodium salt 0.05 M	1000 ml	N/A -

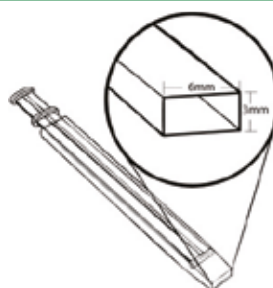
Accessories

Agarose gel strip cutter



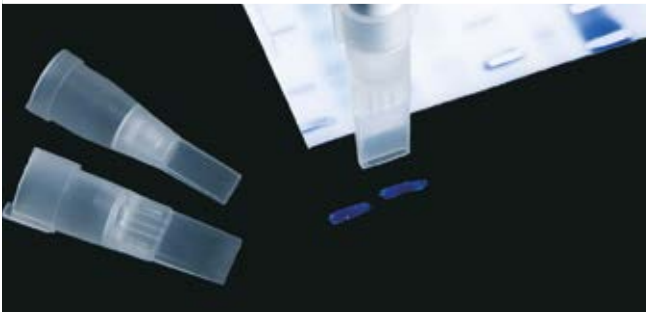
- Excision of clean, reproducible gel strips of 6 x 3 mm
- Single use to avoid contamination
- Does not scratch the surface of UV tables

Cat. No.	Description	Number of reactions	Price
523337	Agarose gel strip cutter	50	N/A -



Accessories

Suction tips for electrophoresis gel strips



- ▶ No need for a scalpel, one-handed operation
- ▶ Autoclavable
- ▶ Press the button to lower the gel and the tip
- ▶ Avoid cross-contamination
- ▶ Compatible with all 1000 µl pipettes (Eppendorf, Gilson)



Cat. No.	Dimensions (mm)	Units/bag	Price/bag
999068	4 x 1	250	N/A -
999070	6.5 x 1	250	N/A -

Scalpel for agarose gels



- ▶ To select and section DNA or RNA strips on agarose gels
- ▶ In single-use polystyrene
- ▶ Prevents damage to transilluminator displays
- ▶ L x W: 154 x 13 mm
- ▶ Packaged in bags of 10

Cat. No.	Description	Price 10 units
o86667B	Scalpel for agarose gels	N/A -

Membranes and blotting papers for nucleic acids

Whatman™ blotting papers

Specifications

Model	Thickness	Surface	Absorption	Applications
3MMCHR	Thickness 0.34 mm	Smooth	Medium	Blotting and chromatography paper
GB003	Thick 0.8 mm	Smooth	Medium	Gel holder
GB005	Extra thick 1.2 mm	Smooth	Strong	Extra blotting semi dry

3MM CHR Paper

Excellent resistance in humid environments? optimised thickness and very good absorbency make Whatman 3MM Chr the paper of choice for all blotting applications.

3MM Chr: a 0.34 mm thick paper widely used in chromatography and electrophoresis. The absorption rate is 130 mm / 30 min.

Cat. No.	Dimensions	Units/box	Price/box
----------	------------	-----------	-----------

Rolls (mm x m)

036081	20 x 100	1 roll	N/A -
036082	100 x 100	1 roll	N/A -
036083	150 x 100	1 roll	N/A -
036084	190 x 100	1 roll	N/A -
036085	230 x 100	1 roll	N/A -
036086	270 x 100	1 roll	N/A -

Sheets (mm x mm)

036562	150 x 200	100	N/A -
036344	200 x 200	100	N/A -
036088	315 x 355	100	N/A -
036347	460 x 570	100	N/A -
036090	580 x 680	100	N/A -

Blotting paper GB003

General purpose paper with very high absorption.

Cat.No.	Optran model	Dim. (mm)	Type	Units/box	Price/box
---------	--------------	-----------	------	-----------	-----------

034870	GB 003	70 x 100	Blotting paper, smooth, 0.8 mm	100	N/A -
034869	GB 003	110 x 140	Blotting paper, smooth, 0.8 mm	100	N/A -
034826	GB 003	300 x 600	Blotting paper, smooth, 0.8 mm	25	N/A -
034827	GB 003	580 x 600	Blotting paper, smooth, 0.8 mm	50	N/A -
034825	GB 003	100 x 100	Blotting paper, smooth, 0.8 mm	50	N/A -
034848	GB 003	150 x 150	Blotting paper, smooth, 0.8 mm	100	N/A -
034849	GB 003	150 x 200	Blotting paper, smooth, 0.8 mm	100	N/A -
034850	GB 003	160 x 180	Blotting paper, smooth, 0.8 mm	100	N/A -
034851	GB 003	200 x 200	Blotting paper, smooth, 0.8 mm	100	N/A -
034867B	GB 003	200 x 250	Blotting paper, rough, 1.0 mm	100	N/A -
034855	GB 003	460 x 570	Blotting paper, smooth, 0.8 mm	100	N/A -



Blotting paper GB005

► Used to limit the risk of trapping air bubbles

► Recommended for semi-dry protein blotting

Cat.No.	Optran model	Dim. (mm)	Type	Units/box	Price/box
034829	GB 005	200 x 200	Blotting paper, smooth, 1.5 mm	25	N/A -
034830	GB 005	580 x 580	Blotting paper, smooth, 1.5 mm	25	N/A -
034828	GB 005	150 x 150	Blotting paper, smooth, 1.5 mm	25	N/A -

Other papers

Type	Description	Flow rate	Format (cm)	Cat.No.	Units/box	Price/box
1 Chr	Standard paper, high flow (Ep: 0.18 mm)	130 mm / 30 min	46 x 57	036340	100	N/A -
			25 x 25	036341	100	N/A -
			20 x 20	036342	100	N/A -
3 Chr	Thick paper, ideal for electrophoresis (Ep: 0.6 mm)	130 mm / 30 min	46 x 57	036343	100	N/A -
17 Chr	Very thick paper. Area smooth (Ep: 0.2 mm)	190 mm / 30 min	46 x 57	036348	25	N/A -
4 Chr	High flow rate paper. (Ep: 0.21 mm)	180 mm / 30 min	46 x 57	036349	100	N/A -

Nytran N nylon blotting membranes

- Moderately loaded nylon membranes
- Membrane designed for Southern and Northern blots techniques, as well as colonies, and Dot/slots blots
- Fixing capacity (> 400 µg/cm²)
- This membrane is ideal for isotopic and non-isotopic detection techniques
- Uniform membrane (pore distribution and size)
- Two thresholds available: 0.2 µm or 0.45 µm for optimal retention of larger oligos and DNA fragments

Cat.No.	Nytran model	Dim. (mm)	Type	Units/box	Price/box
034763	N 0.2 µm	200 x 3 m	Rolls	1	N/A -
034764	N 0.2 µm	300 x 3 m	Rolls	1	N/A -



Cat.No.	Nytran model	Dim. (mm)	Type	Units/box	Price/box
034775	N 0.45 µm	200 x 3 m	Rolls	1	N/A -
034776	N 0.45 µm	300 x 3 m	Rolls	1	N/A -

Membranes and blotting papers for nucleic acids

Nytran Super Charge (SPC) Nylon Transfer Membrane

- Very high positive charge, low background noise
- Higher nylon density than with other membranes increases sample fixation capacity
- Excellent symmetry: always remains flat
- Nytran Super Charge membrane binds nine times more molecules than a conventional nylon membrane
- Consistent membrane morphology: good uniformity of nylon distribution and therefore of loads

Cat.No.	Nytran SuperCharge	Dim. (mm)	Type	Units/box	Price/box
034779	0.45 µm	110 x 140	Sheets	10	N/A -
034798	0.45 µm	200 x 3 m	Rolls	1	N/A -
034799	0.45 µm	300 x 3 m	Rolls	1	N/A -



Amersham™ HYBOND blotting membranes



- **Hybond-N**
 - Resistant
 - For nucleic acid blotting
 - Fixing capacity 600 µg/cm²
 - For radioactive applications
 - UV light fixing
- **Hybond-N+**
 - For nucleic acid blotting
 - Fixing capacity 600 µg/cm²
 - For detection by radioactivity, chemiluminescence, chemifluorescence
- **Hybond-NX**
 - For nucleic acid blotting
 - Fixing capacity 600 µg/cm²
 - Developed specifically for use with low volumes of hybridization buffer and high flow applications
 - Generates little background noise
- **Hybond-XL**
 - For nucleic acid blotting
 - Fixing capacity 600 µg/cm²
 - Effective fixation of small fragments
 - Loaded nylon for optimised signal-to-noise ratio when working with radioactively labelled samples

Cat. No.	Dimensions	Pore size	Membrane material	Price the roll
Hybond-N in neutral nylon				
RPN303N	30 cm x 3 m	0.45 µm	Nylon	N/A -
RPN203N	20 cm x 3 m	0.45 µm	Nylon	N/A -
Hybond-N + in positively charged nylon, versatile				
RPN303B	30 cm x 3 m	0.45 µm	Positively charged nylon	N/A -
RPN203B	20 cm x 3 m	0.45 µm	Positively charged nylon	N/A -
Hybond-NX in neutral nylon, for more demanding applications				
RPN303T	30 cm x 3 m	0.45 µm	Nylon	N/A -
RPN203T	20 cm x 3 m	0.45 µm	Nylon	N/A -
Hybond-XL in nylon optimised for radio-labelled probes				
RPN303S	30 cm x 3 m	0.45 µm	Positively charged nylon	N/A -
RPN203S	20 cm x 3 m	0.45 µm	Positively charged nylon	N/A -

Other sizes available: please contact us.

Membrane and blotting paper for proteins

Amersham Protran nitrocellulose transfer membranes



Whatman and Amersham membranes merge into the Amersham optimised range.

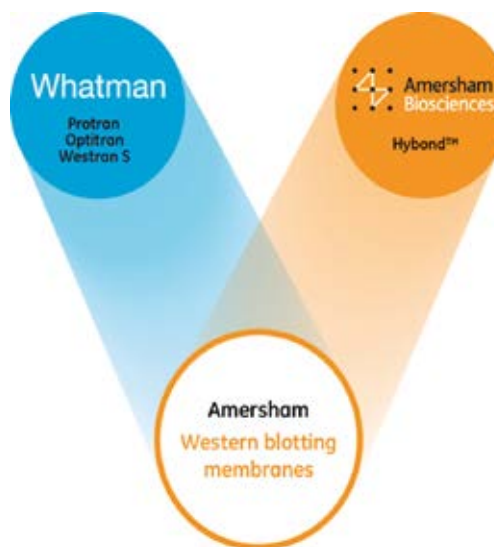
- The Amersham Hybond P membrane is available in a 0.2 µm pore size
- "Sandwich" membranes, ready to use
- Membrane sizes have been revised to meet the needs of users



MOLECULAR BIOLOGY

Older range	New range	Use
"Whatman Protran Amersham Hybond C"	Amersham Protran	Chemiluminescence
"Whatman Optitran Amersham Hybond C extra"	Protran Supported	Hybridization and reprobing
"Amersham Hybond ECL Amersham Hybond C super"	Amersham Protran Premium	Chemiluminescence and fluorescence

Pore size	Packaging		Amersham Protran		Protran Supported		Amersham Protran Premium	
	Size (mm)	Units/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
0.1 µm	100 x 100	10	10600077	N/A -				
		25	10600076	N/A -				
	102 x 133	10	10600126	N/A -				
	140 x 160	25	10600064	N/A -				
	200 x 200	10	10600046	N/A -				
		25	10600045	N/A -				
	150 x 4 m	Roll	10600010	N/A -				
	200 x 4 m	Roll	10600005	N/A -				
	300 x 4 m	Roll	10600000	N/A -				
0.2 µm	80 x 90	25	10600094	N/A -	-	-	-	-
	100 x 100	10			10600085	N/A -	10600081	N/A -
		25			10600084	N/A -	10600080	N/A -
	102 x 133	10	10600125	N/A -	10600128	N/A -		
	140 x 160	25	10600063	N/A -	10600068	N/A -	10600066	N/A -
	200 x 200	10	10600044	N/A -	10600054	N/A -	10600050	N/A -
		25	10600043	N/A -	10600053	N/A -	10600049	N/A -
	300 x 600	5	10600032	N/A -	10600037	N/A -	10600035	N/A -
	150 x 4 m	Roll	10600011	N/A -	10600019	N/A -	10600014	N/A -
	200 x 4 m	Roll	10600006	N/A -	10600017	N/A -	10600009	N/A -
	300 x 4 m	Roll	10600001	N/A -	10600015	N/A -	10600004	N/A -
	0.45 µm	80 x 90	25	10600093	N/A -	10600098	N/A -	10600096
100 x 100		10	10600073	N/A -	10600083	N/A -	10600079	N/A -
		25	10600072	N/A -	10600082	N/A -	10600078	N/A -
102 x 133		10	10600124	N/A -	10600127	N/A -		
140 x 160		25	10600062	N/A -	10600067	N/A -	10600065	N/A -
200 x 200		10	10600042	N/A -	-	-	10600048	N/A -
		25	10600041	N/A -	10600051	N/A -	10600047	N/A -
300 x 600		5	10600033	N/A -	10600036	N/A -	10600034	N/A -
150 x 4 m		Roll	10600012	N/A -	10600020	N/A -	10600013	N/A -
200 x 4 m		Roll	10600007	N/A -	10600018	N/A -	10600008	N/A -
300 x 4 m	Roll	10600002	N/A -	10600016	N/A -	10600003	N/A -	
Sandwich 0.1 µm	80 x 90	10	10600116	N/A -				
	140 x 160	10	10600105	N/A -				
Sandwich 0.2 µm	80 x 90	10	10600115	N/A -	10600120	N/A -	10600118	N/A -
	140 x 160	10	10600104	N/A -	-	-	10600107	N/A -
Sandwich 0.45 µm	80 x 90	10	10600114	N/A -	10600119	N/A -	10600117	N/A -
	140 x 160	10	10600103	N/A -	10600108	N/A -	-	-

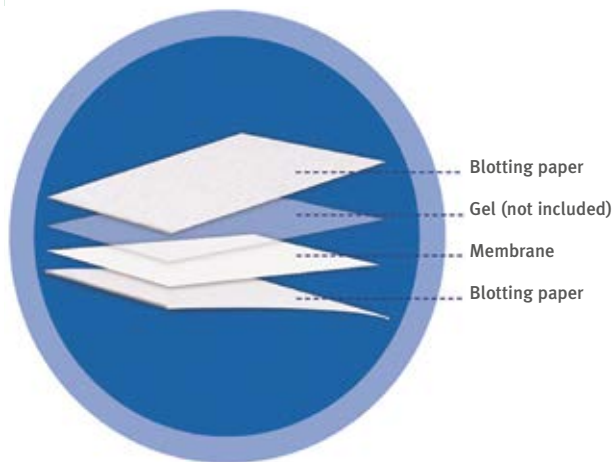


Membrane and blotting paper for proteins

Amersham Hybond PVDF transfer membranes



MOLECULAR BIOLOGY



- Ready-to-use solution for blotting applications
- Contains two sheets of 3MM CHR paper of appropriate size for each membrane sheet
- The membrane is to be placed on the anode side of the gel
- The 3MM CHR paper sheets cover each side of the entire
- The gel is ready for transfer

Older range	New range	Use
"Amersham Hybond P Whatman Westran CS"	Amersham Hybond P	Chemiluminescence, compatible with fast bleaching solvents
Whatman Westran S	Amersham Hybond SEQ	Sequencing and solid phase analysis
Amersham Hybond LFP	Amersham Hybond LFP	Fluorescence (low membrane autofluorescence)

Pore size	Packaging		Amersham Hybond P		Amersham Hybond SEQ		Amersham Hybond LFP	
	Size (mm)	Units/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
0.2 µm	80 x 90	25	10600101	N/A -	-	-	10600102	N/A -
	100 x 100	10	10600089	N/A -	-	-	-	-
	200 x 200	10	10600058	N/A -	-	-	10600060	N/A -
	200 x 200	25	10600057	N/A -	-	-	-	-
	260 x 600	5	10600039	N/A -	10600030	N/A -	10600040	N/A -
0.45 µm	260 x 4 m	Roll	10600021	N/A -	-	-	10600022	N/A -
	80 x 90	25	10600100	N/A -	-	-	-	-
	100 x 100	10	10600087	N/A -	-	-	-	-
	100 x 100	25	10600086	N/A -	-	-	-	-
	140 x 160	25	10600069	N/A -	-	-	-	-
	300 x 600	5	10600038	N/A -	-	-	-	-
Sandwich 0.2 µm	150 x 4 m	Roll	10600029	N/A -	-	-	-	-
	300 x 4 m	Roll	10600023	N/A -	-	-	-	-
Sandwich 0.45 µm	80 x 90	10	10600122	N/A -	-	-	10600123	N/A -
	80 x 90	10	10600121	N/A -	-	-	-	-
	140 x 160	10	10600110	N/A -	-	-	-	-

Protran NC nitrocellulose transfer membrane

- 100% pure nitrocellulose membrane 0.1 µm for < 7 kD molecules
- High fixation, low background noise
- High retention of small proteins:
 - the 0.2 µm membrane retains samples smaller than 20 KD
 - the 0.45 µm membrane is designed for molecules larger than 20 KD

- Excellent protein stability on Protran (> 5 years)
- No pre-wetting with methanol: before transfer, a simple wetting with water is sufficient
- Excellent stability of the membrane: allows many manipulations



Cat.No.	Protran NC model	Dim. (mm)	Type	Units/box	Price/box
034714	BA 83 0.2 µm	82	Discs	50	N/A -
034735	BA 85 0.45 µm	25	Discs	100	N/A -
034738	BA 85 0.45 µm	25	Discs	1000	N/A -
034701	BA 85 0.45 µm	132	Discs	25	N/A -
034736	BA 85 0.45 µm	132	Discs	50	N/A -
034737	BA 85 0.45 µm	137	Discs	50	N/A -

Membrane and blotting paper for proteins

Immobilon™ Transfer membranes

Immobilon-P (PVDF) transfer membranes

Made of polyvinylidene fluoride (PVDF) hydrophobic, optimised for binding proteins transferred from different types of gels.

- Ideal substrate for immunodetection
- Using the rapid protocol developed by Merck Millipore, time savings of 2 hours: elimination of the blocking step in a western blot, reduction of the number and duration of washes, without compromising specificity or sensitivity

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
044081	IPVH07850	0.45	Sheets	70 x 84	50	N/A -
044082	IPVH304Fo	0.45	Sheets	260 x 260	10	N/A -
044083	IPVH09120	0.45	Sheets	90 x 120	10	N/A -
044084	IPVH10100	0.45	Sheets	100 x 100	10	N/A -
044085	IPVH20200	0.45	Sheets	200 x 200	10	N/A -
044086	IPVH15150	0.45	Sheets	150 x 150	10	N/A -
044087	IPVH00010	0.45	Roll	265 x 3750	1	N/A -

Immobilon-PSQ (PVDF) transfer membranes

Made of polyvinylidene fluoride (PVDF) for the transfer of low molecular weight proteins.

Immobilon-PSQ membranes: for blotting of < 20 kD proteins

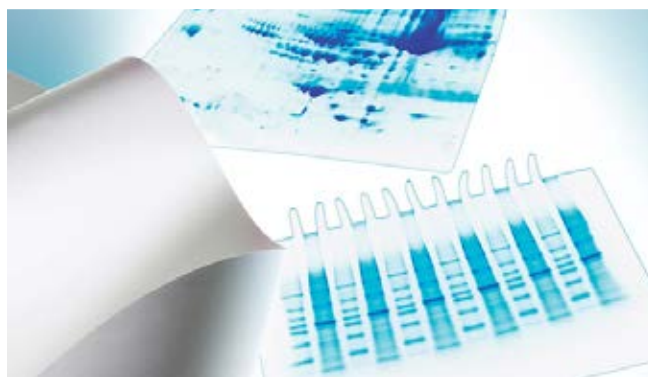
- High yields in protein sequencing
- No surfactant

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
044088	ISEQ00010	0.2	Roll	265 x 3750	1	N/A -
044089	ISEQ15150	0.2	Sheets	150 x 150	10	N/A -
044090	ISEQ101000	0.2	Sheets	100 x 100	10	N/A -
044091	ISEQ20200	0.2	Sheets	200 x 200	10	N/A -
044092	ISEQ26260	0.2	Sheets	260 x 260	10	N/A -

Immobilon-E (PVDF) transfer membranes

- Do not require a methanol membrane activation step
- Better protein retention and durability than nitrocellulose membranes
- Can be moistened directly with transfer buffer
- Compatible detection methods: chemiluminescence, chromogenic and radioactivity
- Compatible with Coomassie Blue, Ponceau-S Red, Sypro Ruby and colloidal gold dyes
- Membranes Cat. No. 044435 and 044436 are supplied with blotting paper sheets

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
044430	IEVH00005	0.45	Roll	265 x 1875	1	N/A -
044431	IEVH07850	0.45	Sheets	70 x 84	50	N/A -
044432	IEVH08100	0.45	Sheets	80 x 100	10	N/A -
044433	IEVH09120	0.45	Sheets	90 x 120	10	N/A -
044434	IEVH10100	0.45	Sheets	100 x 100	10	N/A -
044435	IESN07852	0.45	Sheets	70 x 84	20	N/A -
044436	IESN08132	0.45	Sheets	85 x 135	20	N/A -
044437	IEVH07804	0.45	Sheets	70 x 84	4	N/A -



Immobilon™-Ny+ transfer membranes

MERCK

For greater sensitivity during re-hybridisation.

Immobilon-Ny+ membranes optimised for reliable and reproducible transfer, immobilisation, hybridisation and rehybridisation.

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
044067	INYC00010	0.45	Roll	300 x 3300	1	N/A -

Immobilon-FL (PVDF) transfer membranes

Optimised for applications with fluorescence detection

- Same fixation characteristics as Immobilon-P (PVDF, 0.45 µm)
- Very low background noise in fluorescence detection in western blotting
- Compatible with the most commonly used fluorescence reagents
- Compatible with non-fluorescent detection reagents

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
051587	IPFL10100	0.45	Sheets	100 x 100	10	N/A -
051588	IPFL20200	0.45	Sheets	200 x 200	10	N/A -
051589	IPFL00010	0.45	Roll	265 x 3750	1	N/A -

Immobilon Sandwiches (PVDF) Transfer Membranes

- Pre-cut
- Supplied with buffer, separators and absorbent sheets
- Compatible with pre-cast gels

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
051590	IPSN07852	0.45	Sheets	70 x 84	20	N/A -
051591	IPSN08132	0.45	Sheets	85 x 135	20	N/A -

Immobilon-NC transfer membranes (cellulose esters)

Immobilon-NC HAHY membranes made of cellulose esters with surfactants, which improves their wettability and facilitates their handling during the transfer process.

Cat.No.	Merck Millipore Cat. No.	Porosity (µm)	Prese-ntation	Dim. (mm)	Units/box	Price/box
044055	HATC00010	0.45	Roll	330 x 3000	1	N/A -

Detection and blocking



Amersham Hyperfilm™ ECL and MP



For chemiluminescent signal detection of nucleic acid and protein blots.

Hyperfilm™ ECL

- ▶ Rapid detection of chemiluminescent signals from nucleic acid and protein blots
- ▶ Clear base with high contrast for easy reading of images
- ▶ Sensitive to blue and green light chemiluminescence systems
- ▶ Ideal for use with ECL, ECL Plus, CDP-Star and other chemiluminescent systems

Hyperfilm™ MP

- ▶ Multi-purpose film for fast detection of ¹⁴C, ³⁵S, ³³P, ³²P, ¹²⁵I
- ▶ Clear base with high contrast for easy reading of images
- ▶ High resolution results
- ▶ Dedicated to direct and indirect autoradiography use

Sheets size	Hyperfilm™ ECL			Hyperfilm™ MP		
	Cat. No.	Sheets/box	Price/box	Cat. No.	Sheets/box	Price/box
18 x 24 cm	28-9068-36	50	N/A -	28-9068-43	50	N/A -
18 x 24 cm	28-9068-37	100	N/A -	28-9068-44	100	N/A -
8 x 10 inches	28-9068-38	50	N/A -	28-9068-45	50	N/A -
8 x 10 inches	28-9068-39	100	N/A -	28-9068-46	100	N/A -
5 x 7 inches	28-9068-35	50	N/A -	28-9068-42	50	N/A -



Immobilon Western LUMINOL chemiluminescence HRP substrates



- ▶ Highly sensitive substrate
- ▶ Wide range of sensitivities, possibility to reduce the amount of antibody used
- ▶ Signal duration over 2 hours
- ▶ Stable working solution for 10 days



Signal duration	> 2 hours
Primary detection method	X-ray or imaging system
Typical antibody dilution	Primary: 1: 1 000 - 1: 20000 Secondary: 1: 20 000 - 1: 200000
Stability	≥ 9 months from receipt (HRP: working solution: 10 days at 2 - 8 °C)
Recommended initial exposure time	30 seconds (on film)
Membrane compatibility	PVDF, nitrocellulose or all commonly used buffers and blocking reagents commonly used
Storage	2 to 8 °C

Cat. No..	Reagents (volumes)	Covered membrane area (cm ²)	Price
051729	Luminol (25 ml) + peroxide solution (25 ml)	500	N/A -
051730	Luminol (50 ml) + peroxide solution (50 ml)	1000	N/A -
051731	Luminol (250 ml) + peroxide solution (250 ml)	5000	N/A -



HRP Luminata™ Substrates



- ▶ Premixed chemiluminescence reagents for HRP detection in western blotting
- ▶ No risk of pipetting errors, no storage problems, ready to use
- ▶ Cover a wide range of sensitivities while being stable at room temperature or 4 °C

Cat. No.	Type	Volume (mL)	Detection range	Signal duration	Price
053725	Luminata™ Classico Western	100	6 pg	1 hour	N/A -
053726	Luminata™ Classico Western	500	6 pg	1 hour	N/A -
053727	Luminata™ Crescendo Western	100	1 - 3 pg	3 hours	N/A -
053728	Luminata™ Crescendo Western	500	1 - 3 pg	3 hours	N/A -
053729	Luminata™ Forte Western	100	400 fg	3 hours	N/A -
053730	Luminata™ Forte Western	500	400 fg	3 hours	N/A -



Detection and blocking

Luminata Elisa HRP

- HRP reagent for chemoluminescent detection in ELISA format
- Requires a suitable plate reader
- High sensitivity to detect up to 0.1 pg of protein
- Wide dynamic range allowing a large number of detection thresholds
- Flexible use, with two types of substrates, Luminata crescendo and Forte



Cat. No.	Description	Price
053777	Luminata Forte Elisa HRP Substrate 100 ml	N/A -
053778	Luminata Crescendo Elisa HRP Substrate 100 ml	N/A -
053779	Luminata Crescendo Elisa HRP Substrate 200 ml	N/A -

Protein labelling and detection

	Amersham ECL™	Amersham ECL Start™	Amersham ECL Prime™	Amersham ECL Select™	Amersham ECL Plex™
Kit features	Routine Western blotting	Confirmatory Western blotting for high to moderate sensitivity proteins	Quantitative and confirmatory analysis High to low sensitivity proteins	Quantitative and confirmatory analysis Medium to very low protein sensitivity	Quantitative analysis
Sensitivity (model system)	~10 pg	N/C	~1 pg	~5 ng	~1.2 pg
Primary antibody (model system)	1:100 - 1:5000	1:500 - 1:3000	1:1000 - 1:50000	1:5000 - 1:30000	1:100 - 1:5000
Secondary antibody (model system)	1:1000 - 1:15000	1:5000 - 1:50000	1:50000 - 1:250000	1:100000 - 1:300000	1:1250 - 1:4000
Emission duration	1 to 2 hrs	3 hrs	3 hrs	2 hrs	> 3 months
Reprobing with 2 antibodies	Yes	Yes	Yes	Yes	Not required
Recommended membrane	Amersham Hybond P Amersham Protran Premium	Amersham Hybond P Amersham Protran	Amersham Hybond P Amersham Protran Premium	Amersham Hybond Amersham Protran Premium	Amersham Hybond LFP Amersham Protran Premium
Recommended detection method	Hyperfilm ECL and imageQuant imagers	Amersham Hyperfilm and CCD camera detection range	Hyperfilm ECL and imagers imageQuant	Hyperfilm ECL and imagers imageQuant	Fluorescence scanner and ImageQuant imagers

Amersham ECL™, ECL Start™, ECL Advance™, ECL Select™, ECL Prime,

Amersham ECL™

Cat. No.	Description	Price
RPN2108	ECL western blotting system for 1000 cm ² of membrane: anti-mouse HRP conjugate 100 µl, anti-Rabbit conjugate HRP 100 µl, detection reagents 1 and 2, blocking agent ⁴	N/A -
RPN2109	ECL Western Blotting Detection Reagents for 1000 cm ² of membrane ⁴	N/A -
RPN2209	ECL Western Blotting Detection Reagents for 2000 cm ² of membrane ⁵	N/A -
RPN2106	ECL Western Blotting Detection Reagents for 4000 cm ² of membrane ⁶	N/A -

⁴ contains 2 flasks of 62.5 ml ⁵ contains 2 flasks of 125 ml
⁶ contains 2 flasks of 250 ml



Amersham ECL Prime™

Cat. No.	Description	Price
RPN2232	ECL Prime Western Blotting Reagent for 1000 cm ² of membrane ¹	N/A -
RPN2236	ECL Prime Western Blotting Reagent for 3000 cm ² of membrane ²	N/A -

¹ contains 2 flasks of 50 ml ² contains 2 flasks of 150 ml

Amersham ECL Plex™: for quantitative detection

Use of 2 fluorescent markers allowing the simultaneous detection of 2 proteins on western blots.

- Uses CyDye™ technology
- Multiplex analysis of proteins

Contains:

- ECL Plex Goat - mouse IgG-Cy3, 150 µg
- ECL Plex Goat - rabbit IgG-Cy5, 150 µg
- Hybond ECL 10 x 10 cm (cdt 10) or Hybond-LFP 20 x 20 cm (cdt 3)
- Marqueurs ECL Plex Rainbow 120 µl

Cat. No.	Description	Price
RPN999	ECL Plex: CY3, CY5, Rainbow Marker and HYBOND-LFP 20 x 20 cm	N/A -

Amersham ECL START™

Cat. No.	Description	Price
RPN3243	ECL Start for western blot 200 ml	N/A -
RPN3244	ECL Start for western blot 400 ml x 2	N/A -

Amersham ECL SELECT™

Cat. No.	Description	Price
RPN2235	ECL Select Western blotting Reagent for 1000 cm ² of membrane ³	N/A -

³ contains 1 x 50ml luminol flask and 1 x 50 ml peroxyde solution flask

Detection and blocking

cytiva Cytiva Amersham AlkPhos Direct™ direct marking and detection systems

Technique based on direct labelling of DNA or RNA probes with a thermostable alkaline phosphatase. This labelled probe is then hybridised to the target.

- > Detection possible by CDP-Star or ECF
- > 2 to 3 hours reduction compared to conventional indirect methods

Cat. No.	Description	Membrane Area	Price
RPN3680	Alkphos direct labeling module	2500 cm ²	N/A -
RPN3682	CDP-star detection reagent	2500 cm ²	N/A -
RPN3685	ECF detection module	2500 cm ²	N/A -
RPN3688	Alkphos direct hybridisation buffer	5000 cm ²	N/A -

cytiva ECL Plex GaM IgG



Consult us for secondary HRP-conjugated antibodies



Cat. No.	Description	Price
PA45009	ECL Plex GaM IgG, CY5, 150 µg	N/A -
PA45011	ECL Plex GaR IgG, CY5, 150 µg	N/A -
PA43009	ECL Plex GaM IgG, CY3, 150 µg	N/A -
28-9011-06	ECL Plex GaR IgG Cy3 150 µg	N/A -

cytiva HRP conjugated Anti-rabbit IgG, F(ab')₂ Antibodies

- > Applications: Western blot
- > Storage: 2 - 8 °C
- > Revelation: ECL

Cat.No.	Description	Volume (ml)	Price
NA9340-1ML	HRP conjugated Anti-rabbit IgG F(ab') ₂	1	N/A -

Blu-Blot HS and Blu-Lite UHC autoradiography films



- > High quality with blue background
- > For use with calcium tungstate or blue emitting screens
- > Compatible with manual and automatic development methods
- > The UHC version offers higher contrast and sensitivity with low noise

Cat.No.	Version	Dimensions L x W (mm)	Units/box	Price/box
062632	Blu-Blot HS	127 x 178	100	N/A -
062633	Blu-Blot HS	203 x 254	100	N/A -
062666	Blu-Lite UHC	127 x 178	100	N/A -
062667	Blu-Lite UHC	203 x 254	100	N/A -

"Blue devil" autoradiography films

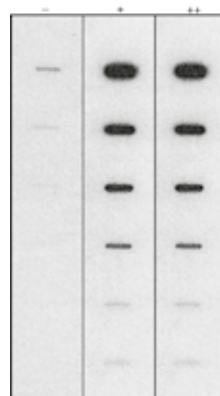


- > Blue background
- > Single emulsion
- > With intersheets
- > Exceptional clarity and low background noise
- > For use with ¹⁴C, ³⁵S, ³²P et ¹²⁵I
- > Blotting
- > Sequencing
- > Chemiluminescence Autoradiography
- > Shift gel analysis



Cat. No.	W x L (cm)	Price 100 units
789173	12.7 x 17.78	N/A -
789174	20.32 x 25.4	N/A -
789175	25.4 x 30.48	N/A -
789176	35.56 x 43.18	N/A -

Amersham Hyperscreen Intensification Screens



- minus Hyperscreen
+ plus Hyperscreen
++ plus Hyperscreen and preflashed with Sensitize Preflash Unit



¹²⁵I-labeled IgG slot blots: doubling dilutions (100 nCi to 1.56 nCi) 2 h exposure to Hyperfilm MP.

For fast and highly sensitive results in the detection of ³²P and ¹²⁵I in Southern, Northern and Western blots. To be used with the pre-flash lamp.

Cat. No.	Dimensions	Units/box	Price/box
RPN1662	18 x 24 cm	2	N/A -

Detection and blocking

Reblot Solutions

MERCK

These kits contain all the reagents for easy removal of antibodies after chemiluminescence antibody detection.

- Simple and quick (10 to 20 minutes)
- Use at room temperature
- No beta-mercaptoethanol
- 2 different solutions depending on the strength of the interaction between antibody and antigen

Cat. No.	Description	Price
051965	Reblot plus Mild Solution 50 ml	N/A -
051979	Reblot plus Strong Solution 50 ml	N/A -

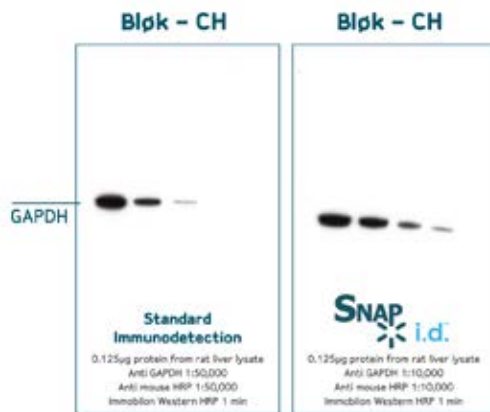


BLOCK blocking reagents for chemiluminescence or fluorescence detection

The use of a synthetic blocking buffer reduces cross-reactions and background, especially for low abundance proteins.

- Ready to use Bløk blocking pads, protein free
- Stable at room temperature
- Available in optimised versions for studying protein phosphorylation or working with fluorescent detection
- Compatible with staining after immunodetection

MERCK



Cat. No.	Type	Price per 500 ml
053731	CH reagent without background noise for detection by chemiluminescence	N/A -
053732	FL reagent without background noise for detection by fluorescence	N/A -
053733	Background-free PO reagent for the detection of phosphoproteins by chemiluminescence or fluorescence	N/A -

ECL blocking agent

cytiva

- Blocking agent compatible with ECL reagents
- For use on PVDF or nitrocellulose membranes

Cat. No.	Description	Price
RPN2125	ECL BLOCKING AGENT - 40 g	N/A -

ECL Prime blocking reagent

cytiva

- Blocking agent compatible with ECL Prime and ECL Plex detection reagents

Cat. No.	Description	Price
RPN418	ECL Prime blocking reagent 40 g	N/A -

Nucleic acid blotting

Rapid transfer system for Southern and Northern blot: TurboBlotter

- Kit for rapid transfer with high resolution of DNA and RNA
- Fast: top-down transfer in one hour with alkaline buffers and three hours with neutral buffers (SSC)
- Economical: The buffer holder requires less buffer and blotting paper
- Easy to use, no vacuum or power source required

- System using gravity in addition to capillary action
- Compact: small and stackable unit

Each TurboBlotter kit includes:

- 1 transfer system;
- membranes and papers needed for 5 transfers.

Each TurboBlotter refill includes the membranes and papers needed for 5 transfers.

Cat. No.	Description	Dim. (mm)	Transfer syst. size	Price
034800	Nytran SuperCharge TurboBlotter Kit	100 x 150	12 x 16 cm	N/A -
034801	Nytran SuperCharge TurboBlotter Refill	100 x 150	12 x 16 cm	N/A -
034802	Nytran SuperCharge TurboBlotter Kit	110 x 140	12 x 16 cm	N/A -
034803	Nytran SuperCharge TurboBlotter Refill	110 x 140	12 x 16 cm	N/A -
034807	Nytran SuperCharge TurboBlotter Refill	150 x 150	21 x 26 cm	N/A -
034808	Nytran SuperCharge TurboBlotter Kit	150 x 200	21 x 26 cm	N/A -
034809	Nytran SuperCharge TurboBlotter Refill	150 x 200	21 x 26 cm	N/A -
034812	Nytran SuperCharge TurboBlotter Kit	200 x 250	21 x 26 cm	N/A -
034813	Nytran SuperCharge TurboBlotter Refill	200 x 250	21 x 26 cm	N/A -
034814	Nytran SuperCharge TurboBlotter Kit	70 x 100	12 x 16 cm	N/A -



Accessories



Amersham autoradiography cassettes



- For maximum contact between the sample and the film
- Can be used down to -70 °C
- Smooth, non-porous internal mat ensures minimal contamination
- The 1.5 cm thick model is used with thicker samples

Cat. No.	Model	Colour	Dimensions	Price
RPN11649	Standard	Neutral	8 x 10 inches	N/A -
RPN11650	Standard	Neutral	10 x 12 inches	N/A -

Pre-stained chemiluminescent marker for Western blot



- To annotate the transfer membranes on PVDF or nitrocellulose
- Reacts with HRP substrates
- Fast and sensitive
- Compatible with X-ray film and CCD imagers

Cat. No.	Description	Price
701100	Pre-stained chemiluminescent marker for Western blot	N/A -

Regilait skimmed milk



Regilait milk powder is ideal for saturating transfer membranes during Slot-Blot or Western Blot. In 750 g or 300 g tins with spout.

Cat. No.	Packaging	Price
711160	750 g	N/A -
731142	300 g	N/A -

Membrane marker pen



- Xylene-based, permanent writing
- For nitrocellulose and nylon membranes
- Ideal marker for orientation of membranes in different types of transfers

Cat. No.	Description	Units/box	Price/box
034982	Membrane marker pen	10	N/A -

Fluorescent marker



- Special laboratory
- Interchangeable fine tip for autoradiography
- Contains enough phosphor to be visible at different wavelengths

Cat. No.	Description	Price
053397	Fluorescent marker with 4 tips	N/A -

Gel staining boxes with drain valve



Transparent boxes designed for staining and destaining of electrophoresis gels.

- Waterproof cover
- Drain valve allowing the transfer of liquid without movement
- Carrying handles
- Stackable
- Transparent PCTG boxes
- For staining, destaining, gel transport, membrane blotting

Cat. No.	For gels	L x W x H (mm)	Price
029181	10 x 10 cm	125 x 125 x 50	N/A -

Accessories

Pyrex glass containers for gels

- Made of Pyrex borosilicate glass
- Ideal for electrophoresis gels
- Can be autoclaved or used in a microwave

Cat. No.	Capacity (ml)	L x W x H (mm)	Price
212561A	1500	228 x 215 x 60	N/A -
212560A	1750	262 x 199 x 57	N/A -
212562A	2200	312 x 232 x 55	N/A -
212563A	3500	366 x 266 x 55	N/A -



Incubation tanks for blotting membranes

- Incubation trays for blotting membranes
- For Western blots
- Moulded in autoclavable polypropylene
- Stackable
- Cat. No. 086671 is snap-on and can be used in sets of 5 or by the unit

Cat. No.	Model	Dimensions (mm)	Units/box	Price/box
086671	-	16 x 115	5	N/A -
086672	Midi	90 x 90	5	N/A -
086673	Macro	165 x 165	5	N/A -



Black boxes for Western blot

- Opaque, made of polystyrene
- Protects light-sensitive samples
- The lid helps to reduce evaporation

Cat. No. Boxes with hinged lid	Dimensions L x W x H (mm)	Volume min. (ml)	Units/box	Price/box
062668	89 x 65 x 25	4	5	N/A -
062669	117 x 89 x 28	6	5	N/A -
062670	114 x 114 x 32	7	5	N/A -

Cat. No. Boxes with removable lid	Dimensions L x W x H (mm)	Volume min. (ml)	Units/box	Price/box
062671	86 x 86 x 28	5	10	N/A -



Gel drying frames

Frame for drying gels between 2 sheets of cellophane, without using a pump or gel dryer.

Two dimensions: 14 x 14 cm (mini-gels) or 24 x 24 cm.

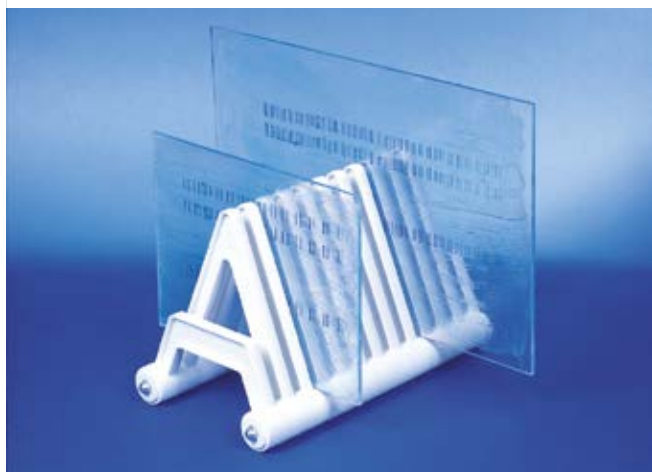
The frame is supplied with: 2 plates, 8 closing clips, 50 pre-cut cellophane sheets.

L x W (cm)	14 x 14	24 x 24
Full frame kit		
Cat. No.	053085	053086
Price/unit	N/A -	N/A -
Cellophane sheets		
Cat. No.	053087	053088
Price the 50 pcs box	N/A -	N/A -



Accessories

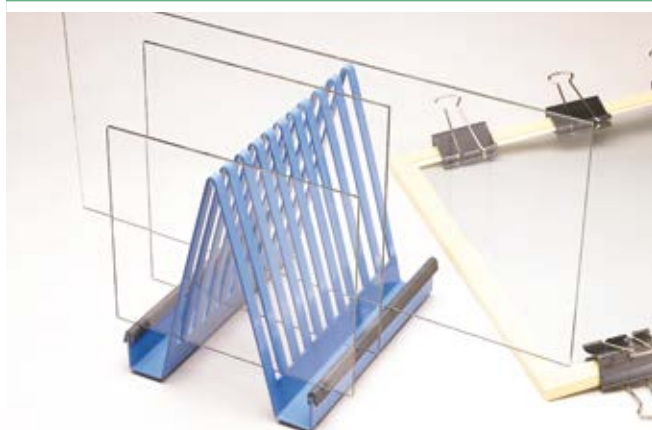
Weighted rack for electrophoresis plates



- ▶ Polypropylene rack
- ▶ Heavy base for holding 10 electrophoresis plates
- ▶ Dimensions: 203 x 381 x 228 mm

Cat. No.	Description	Price
085971	Rack 10 electrophoresis plates	N/A -

Drying rack for glass plates



- ▶ A-shaped
- ▶ Rack for drying 10 glass plates (7 standard sheets and 3 double thickness plates)
- ▶ Made of steel with anti-slip pads
- ▶ W x D x H (mm): 200 x 160 x 180 mm

Cat. No.	Description	Price
045881	Gel drying rack	N/A -

Hybridization bags



Transparent polyester bags for cold storage of acrylamide gels, hydration, storage of biological samples, food, etc.

- ▶ Resistant to most acids, bases, solvents, greases
- ▶ Can withstand temperatures from -40 °C to +115 °C
- ▶ Tear-proof
- ▶ Rot-proof
- ▶ Thickness: 63 µm
- ▶ Total odour barrier
- ▶ Can be heat-sealed

Cat. No.	Version	Dim. L x W (mm)	Price
045800	101 x 152	100	N/A -
045801	165 x 203	75	N/A -
045802	203 x 241	50	N/A -
045803	203 x 305	40	N/A -
045804	254 x 305	30	N/A -
045806	305 x 406	15	N/A -

Accessories

Clips

Stainless steel clips, ideal for closing electrophoresis plates.

Cat. No.	Clip	Units/ box	Price/ box
053013	19 mm	12	N/A -



Reagents and chemicals for Molecular Biology and Biochemistry

Chemical compounds

Cat. No.	Description	Packaging	Price
348587	Anhydrous sodium acetate molecular biology grade min. 99 %	1 kg	N/A -
091516	Boric acid molecular biology grade min. 99.5 %	1 kg	N/A -
C4036-250G-SIG	Cesium chloride, molecular biology grade min. 98 %	250 g	N/A -
348398	Cesium chloride, molecular biology grade min. 99.999 %	1 kg	N/A -
115695	Magnesium chloride hexahydrate molecular biology grade min. 99.5 %	500 g	N/A -
348591	Sodium chloride molecular biology grade min. 99.5 %	1 kg	N/A -
348446	Dithiothreitol (DTT) molecular biology grade min. 99.5 %	5 g	N/A -
091535	Sterile anhydrous glycerol min. 99.5 %	250 ml	N/A -
348490	Glycine grade bio. mol. min. 99.5 %	1 kg	N/A -
091543B	Hepes grade bio. mol. min. 99.5 %	250 g	N/A -
348503	Imidazole molecular biology grade min. 99.5 %	50 g	N/A -
091546B	MOPS, biology grade min. 99.5 %	100 g	N/A -
548656	Sodium salt with dextran sulfate 40 biochemistry grade	250 g	N/A -
091504B	Ammonium sulphate molecular biology grade min. 99.5 %	1 kg	N/A -
091503B	Ammonium sulphate molecular biology grade min. 99.5 %	5 kg	N/A -
091570B	Tris biology grade min. 99.9 %	500 g	N/A -
091572B	Tris biology grade min. 99.9 %	1 kg	N/A -
091571B	Tris biology grade min. 99.9 %	5 kg	N/A -

Organic solvents

Cat. No.	Description	Packaging	Price
348350	Deionised formamide min. 99.5 %	500 ml	N/A -
348351	Deionised formamide min. 99.5 %	1 l	N/A -
348348	Unstabilised phenol / chloroform / isoamyl alcohol 25/24/1	500 ml	N/A -
348346	Stabilised phenol, saturated with water approx. 75 %	500 ml	N/A -
348347	Stabilised phenol, saturated with water approx. 75% + separate Tris solution	500 ml	N/A -

DNase I (RNase-free)

- Endonuclease that non-specifically degrades single- and double-stranded DNA by releasing di-, tri- and phosphorylated oligonucleotides in 5'
- Used to remove contaminating DNA in RNA preparations prior to RT-PCR and RT-qPCR applications
- Also used to remove the DNA template from the reaction medium after in vitro transcription

Cat. No.	Description	Price
220229	DNase I (RNase-free), 1000 U	N/A -
220230	DNase I (RNase-free), 5000 U	N/A -

Enzymes

Cat.No.	Description	Packaging	Price
348441	DNASE I min. 3000 U/mg (Kunitz)	10 mg	N/A -
348439	DNASE I min. 3000 U/mg (Kunitz)	100 mg	N/A -
348574	RNASE A (DNase free min. 80 U/mg (Kunitz)	50 mg	N/A -
091545B	Lysozyme molecular biology grade	10 g	N/A -
348565	Recombinant freeze-dried Proteinase K	100 mg	N/A -
348566	Recombinant freeze-dried Proteinase K	25 mg	N/A -
348564	Recombinant freeze-dried Proteinase K	500 mg	N/A -
348569	Protéinase K solution 20 mg/ml, DNase/RNase free	1 ml	N/A -
348568	Protéinase K solution 20 mg/ml, DNase/RNase free	5 ml	N/A -
348567	Protéinase K solution 20 mg/ml, DNase/RNase free	10 ml	N/A -
220260	Protéinase K solution 20 mg/ml, DNase/RNase free	1 ml	N/A -
220261	Protéinase K solution 20 mg/ml, DNase/RNase free	5 x 1 ml	N/A -

Chaotropic agents

Cat. No.	Description	Packaging	Price
348492	Guanidine hydrochloride molecular biology grade min. 99.5 %	1 kg	N/A -
348641	Urea biology grade mol. min. 99 %	1 kg	N/A -
T7875-100G-SIG	Thiourea reagent plus grade min. 99 %	100 g	N/A -
348403	Guanidine thiocyanate molecular biology grade min. 99 %	100 g	N/A -
348401	Guanidine thiocyanate molecular biology grade min. 99 %	500 g	N/A -

Surfactants

Cat. No.	Description	Packaging	Price
672414	Cetyltrimethylammonium bromide (CTAB) biology grade min. 99 %	100 g	N/A -
672415	Cetyltrimethylammonium bromide (CTAB) biology grade min. 99 %	500 g	N/A -
348332	CHAPS, biochemistry grade min. 99 %	5 g	N/A -
348337	CHAPS, biochemistry grade min. 99 %	50 g	N/A -
091564	SDS solution 20 % bio. mol. grade	1 l	N/A -
091567B	SDS molecular biology grade min. 99 %	1 kg	N/A -
348637	Tween 20 molecular biology grade	500 ml	N/A -
672357	Tween 80 biochemistry grade	500 ml	N/A -

RNase A (DNase-free)

- Specific pyrimidine endoribonuclease that degrades single-stranded RNA
- Catalyses the cleavage of the phosphodiester bond between a pyrimidine and the following nucleotide
- Used for the suppression of RNA in DNA preparations
- Available in 10 and 50 mg

Cat. No.	Description	Price
220235	RNase A (DNase-free), 10 mg (1 ml)	N/A -
220236	RNase A (DNase-free), 50 mg (5 ml)	N/A -

Alternatives to alkylphenol ethoxylate detergents

- Alkylphenol ethoxylates are included in Annex XIV of REACH program due to their toxicity
- Several detergents in the Triton X and Tergitol X range are among the targeted molecules
- Merck offers a range of alternative detergents

➤ ECOSURF EH detergents:

- Ethoxylated substitutes
- Excellent wetting and solid surface cleaner
- Low odour, easily biodegradable and very low toxicity to the aquatic environment

➤ ECOSURF SA detergents:

- Ethoxylated substitutes
- Easier handling, low pour point and fast dissolution
- Low odour, hydrophobic, good detergency, biorenewable base, easily biodegradable and very low toxicity to the aquatic environment

➤ TERGITOL 15-S detergents:

- Substitutes based on secondary alcohols
- Excellent wetting, fast dissolving and rapid reduction of surface tension
- Low odour, good detergency and easily biodegradable

➤ TERGITOL TMN detergents:

- Substitute based on branched secondary alcohol ethoxylates
- Very good wetting, emulsifying and detergent properties
- Very low surface tension

Description	Alkylphenol ethoxylate base	Moles EO	Cloud Point (°C) (1%)	HLB	Flow temperature (°C)	Easily biodegradable (OECD 301F)	Cat. No.
TRITON X-100	Yes	9.5	66	13.4	1		X100
ECOSURFTM EH-9	No	Confidential	61	12.5	12	•	STS0006
ECOSURF EH-9 (90 %)	No	Confidential	61	12.5	-5	•	STS0012
ECOSURF SA-9	No	Confidential	57	11.1	4	•	STS0007
TERGITOL 15-S-9	No	9	60	13.3	9	•	15S9
TERGITOL TMN-100X (90 %)	No	9	65	14	6		STS0004
TRITON X-102	Yes	12	88	14.4	13		X102
ECOSURF EH-9	No	Confidential	61	12.5	12	•	STS0006
ECOSURF EH-9 (90 %)	No	Confidential	61	12.5	-5	•	STS0012
TERGITOL TMN-10 (90 %)	No	11	76	14.1	-19		86454
TRITON X-114	Yes	7.5	25	12.3	-14		X114
TERGITOL 15-S-7	No	7	37	12.1	1	•	15S7
TERGITOL TMN-6 (90 %)	No	8	36	13.1	< 40		86453
TERGITOL NP-40 (70 %)	Yes	40	> 100	17.8	2		-
TERGITOL 15-S-40 (70 %)	No	41	> 100	18	5	•	STS0003

Cat. No.	Description	Packaging	Price
STS0003-100ML-SIG	TERGITOL 15-S-40 70 % in water	100 ml	N/A -
STS0003-500ML-SIG	TERGITOL 15-S-40 70 % in water	500 ml	N/A -
STS0004-100ML-SIG	TERGITOL TMN-100X 90 % in water	100 ml	N/A -
STS0004-500ML-SIG	TERGITOL TMN-100X 90 % in water	500 ml	N/A -
15S7-500ML-SIG	TERGITOL 15-S-7	500 ml	N/A -
15S7-1L-SIG	TERGITOL 15-S-7	1 l	N/A -
15S7-4L-SIG	TERGITOL 15-S-7	4 l	N/A -
15S9-100ML-SIG	TERGITOL 15-S-9	100 ml	N/A -
15S9-500ML-SIG	TERGITOL 15-S-9	500 ml	N/A -
15S9-1L-SIG	TERGITOL 15-S-9	1 l	N/A -
15S9-4L-SIG	TERGITOL 15-S-9	4 l	N/A -
86453-250ML-SIG	TERGITOL TMN 6	250 ml	N/A -
86453-1L-SIG	TERGITOL TMN 6	1 l	N/A -
86454-250ML-SIG	TERGITOL TMN 10	250 ml	N/A -
86454-1L-SIG	TERGITOL TMN 10	1 l	N/A -
STS0006-100ML-SIG	ECOSURF EH-9	100 ml	N/A -
STS0006-500ML-SIG	ECOSURF EH-9	500 ml	N/A -
STS0007-100ML-SIG	ECOSURF SA-9	100 ml	N/A -
STS0007-500ML-SIG	ECOSURF SA-9	500 ml	N/A -
STS0012-100ML-SIG	ECOSURF EH-9 90% in water	100 ml	N/A -
STS0012-500ML-SIG	ECOSURF EH-9 90% in water	500 ml	N/A -

PCR MICROTUBES

PCR microtubes 0.2 ml Multi

- Microtube with dome cap or flat cap
- Thin wall for optimal and uniform heat transfer
- Highly transparent virgin polypropylene
- Suitable for all thermal cyclers



Cat. No.	Volume (mL)	Cap	Units/box	Price/box
023190	0.2	Dome	500 x 10	N/A -
023190A	0.2	Dome	500	N/A -
016950	0.2	Flat	1000 x 10	N/A -
016950A	0.2	Flat	1000	N/A -

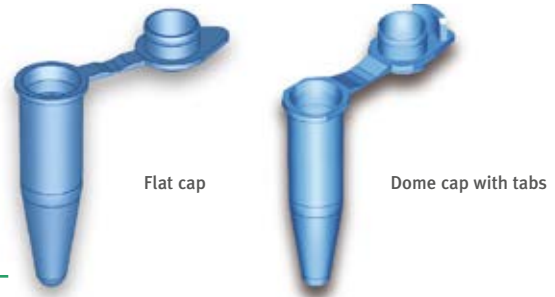
MULTI

MOLECULAR BIOLOGY

Individual microtubes for PCR and QPCR E.U.

E.U. for "Extremely Uniform"

- Tube wall: 0.25 mm
- Evaporation rate between 2 and 3% (reduced due to the homogeneity of the wall)
- All tubes are suitable for real-time PCR
- Opening aid tab on the cap prevents touching the inside of the cap on 038301 series tubes



E.U. Tubes 0.2 ml flat cap

Colour	Natural	Red	Blue	Green	Orange	Natural sterile
Cat. No.	038330	038331	038332	038333	038335	038338*
Price. 1000 units	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

* Thin wall

E.U. Tubes 0.2 ml dome cap with tabs

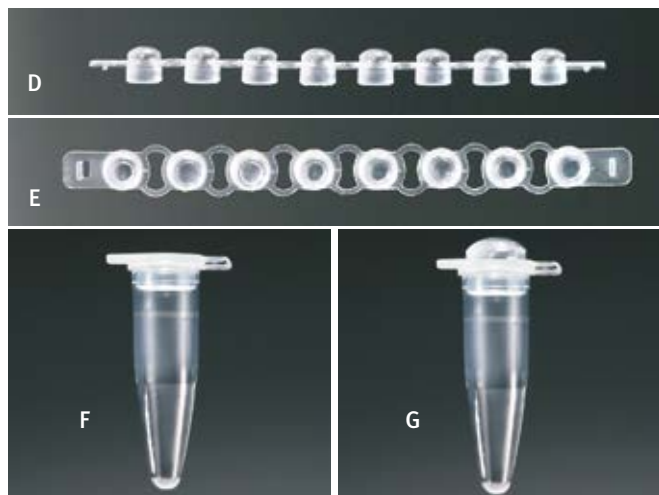
Colour	Natural	Red	Blue	Green	Yellow	Orange	Violet	Amber	Natural sterile
Cat. No.	038301	038302	038303	038304	038305	038306	038307	038308	038325
Price. 1000 units	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

PCR tubes, tube strips and caps

- Made of virgin polypropylene
- Certified contaminant-free

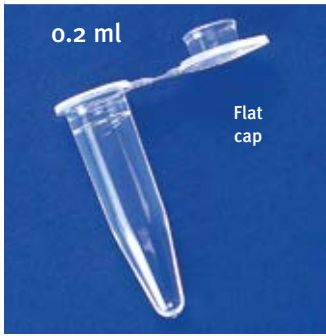


4titude



Cat. No.	Photo	Description	Features	Packaging	Price
044761	A	8-tube strips PCR 0.2 ml	Individual numbering on each tube	125 strips	N/A -
044762	B	8-tube strips PCR 0.2 ml with domed cap	Compatible with most thermal cyclers (including ABI)	125 strips	N/A -
044735	C	8-tube strips PCR 0.2 ml with optical flat caps	Compatible QPCR	125 strips	N/A -
044736	D	8-domed-cap strips Fits most thermal cyclers (including ABI)	Compatible with tube strips 044761	125 strips	N/A -
044737	D	8-domed-cap strips Fits most thermal cyclers (including ABI)	Compatible with 4titude PCR plates	300 strips	N/A -
044738	E	8-flat-optical-cap strips	Compatible with tube strips 044761 - QPCR	125 strips	N/A -
044739	E	8-flat-optical-cap strips	Compatible with 4titude PCR plates - QPCR	300 strips	N/A -
044740	F	PCR Microtube with flat cap	Compatible with thermal cyclers with 0.2 ml heating block	1000 tubes	N/A -
044741	G	Microtube PCR with domed cap	Compatible with 0.2 ml heat cyclers with heating block	1000 tubes	N/A -

ABgene® individual PCR microtubes 0.2 ml and 0.5 ml



0.2 ml

Flat cap



- Thin walls for optimal and uniform heat transfer
- Virgin polypropylene
- Individuals with domed or flat caps
- Very transparent
- Secure locking system
- 7 colours available for identification of different series

0.2 ml Microtube with flat cap

Natural	Yellow	Red	Violet	Green	Blue	Price 1000 units	Assorted	Price 1000 units
016139	016128	016141	016142	016143	016144	N/A -	016146	N/A -

0.5 ml Microtube with flat cap

Natural	Assorted*	Price 1000 units	Natural sterile	Price 1000 units
016155	016162	N/A -	016428	N/A -

* Green, red, yellow, blue, transparent

TIP



For benchtop work at refrigerated temperatures, choose a refrigerated microtube rack. Chapter "Tubes"

"ECO" Individual 0.2 ml PCR Tubes



- PCR tube with attached cap dome or flat
- Excellent transparency and wall thickness



Cat. No.	Description	Units/bag	Price/bag
010207	PCR tube 0.2 ml flat cap	1000	N/A -

Ultraflux 0.2 ml Microtube



- Individual without cap
- Extra thin wall



Cat. No.	Description	Units/bag	Price/bag
840664	Ultraflux 0.2 ml Microtube	1000	N/A -

Individual PCR or qPCR microtubes



- In transparent polypropylene
- With flat attached cap
- QPCR version: optical cap, high sensitivity and detection



Volume (mL)	PCR Microtubes		qPCR Microtubes	
	Cat.No.	Price Excl. VA 1000 uni.	Cat.No.	Price Excl. VA 1000 uni.
0.1	385000	N/A -	385001	N/A -
0.2	385002	N/A -	385003	N/A -

Ultra Flux Individual 0.2 ml microtubes



- Ultra-thin walls
- Flat frosted cap



Colour	Natural	Blue	Green	Red	Violet	Yellow	Assorted
Cat. No.	048003	048004	048005	048006	048007	048062	048001
Price 1000 unit	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Individual 0.5 ml PCR tubes



- Flat cap attached
- Thin wall
- Made of polypropylene
- 4 Colour available



Colour	Pink	Yellow	Green	Red
Cat. No.	781832	781833	781834	781835
Price 1000 unit	N/A -	N/A -	N/A -	N/A -

Microtubes PCR 0.2 ml PCR and 0.5 ml Treff

- Made of high purity polypropylene
- Ultra-thin walls for fast heat transfer
- Fully automated production in a clean room class 8 according to ISO 14644-1
- No additives
- Autoclavable

	Natural	Pink	Yellow	Green	Blue
Individual PCR microtubes 0.2 ml	034038B*034039	034040	034041	034042	
Price, 500 units	N/A -	N/A -	N/A -	N/A -	N/A -
Individual PCR microtubes 0.5 ml	034045*	-	-	-	-
Price, 500 units	N/A -	-	-	-	-



ClearLine® PCR tube strips



- Easy to cut into individual tubes
- Extra thin wall
- Total volume: 0.2 ml
- Cap strips compatible with ClearLine® PCR plates



Cat. No.	Description	Units/box	Price/box
257052	Strip of 8 PCR tubes	250 x 8	N/A -
257051	Strip of 8 optical flat caps	250 x 8	N/A -
257046	Strip of 8 PCR tubes with domed cap	250 x 8	N/A -
257054	8-PCR tube strips with flat cap	250 x 8	N/A -
257053	Strip of 8 PCR tubes with flat cap	10 x 250 x 8	N/A -



Sapphire Greiner Bio-One PCR and qPCR microtubes



- Medical grade polypropylene without additives
- Full compatibility with all thermal cyclers
- Thin wall for better temperature transfer
- Tubes with ultratransparent flat cap = qPCR and rt-qPCR

Cat.No.	Colour	Volume (µl)	Caps	Units/bag	Units/box	Price/box
671201	Natural	0.2	Domed, attached	1000	1000	N/A -
683201	Natural	0.2	Flat, attached	1000	1000	N/A -
684201	Natural	0.2	Without cap	1000	1000	N/A -
682201	Natural	0.5	Flat, attached	1000	1000	N/A -



These tubes are also available in red, green, yellow, blue and purple: please contact us

PCR and qPCR microtubes 0.1 and 0.2 ml

- Protective screen prevents manual contact with the inside of the cap
- Self-locking hinge with a 90° angle
- Quality PCR Clean

Cat. No.	Working volume (ml)	Features	Units/box	Price/box
033545	0.2	Individual	1000	N/A -
933932	0.2	Individuals Forensic DNA	500	N/A -
033547	0.2	8-Strip	120 x 8	N/A -
035630	0.1	8-Strip	120 x 8	N/A -
035631	0.1	With domed plugs in strips of 8	120 x 8	N/A -
035632	0.1	With flat caps in strips of 8	120 x 8	N/A -



Accessories

Cat. No.	Description	Units/box	Price/box
033518	Loading tray for 96 microtubes	10	N/A -
033519	Frame for PCR plate	5	N/A -

Multi PCR microtubes 0.65 ml



- ▶ Thin-walled
- ▶ Usable capacity: 0.5 ml
- ▶ Total volume: 0.65 ml



Cat. No.	Description	Units/box	Price/box
015160A	PCR Microtubes 0.65 ml	1000	N/A -

PCR microtubes 0.5 ml

- ▶ High transparency
- ▶ Specially designed for PCR applications
- ▶ Centrifugal up to 10 000 g
- ▶ Thin wall
- ▶ Non-graduated
- ▶ Non-sterile



Cat. No.	Description	Units/box	Price/box
033520	PCR Microtubes 0,5 ml	500	N/A -

Fast PCR 8 microtube-strips



- ▶ 0.1 ml microtubes made of polyethylene (USP), for PCR and qPCR
- ▶ Compatible with Fast PCR protocols
- ▶ Higher or faster heat transfer compared to thin-walled polypropylene tubes: increased PCR yield (in Fast PCR protocol)
- ▶ Compatible with most thermal cyclers with 0.1 ml tube block

Cat.No.	Description	Packaging unit	Price
934222	Fast PCR 8-microtube Strip without cap	10 x 12	N/A -
934223	Fast PCR 8-microtube strip with 8 flat cap strip	10 x 12	N/A -
934224	Fast PCR 8-microtube strip with 8 dome cap strip	10 x 12	N/A -

ABgene® 0.2 ml microtube-strip

Microtubes in strips of 8 or 12 for all thermal cyclers brands.
"Low Profile: the reduction of the dead volume eliminates condensation on the tube walls and thus limits evaporation. For small volumes of less than 20 µl.

- Breakable in individual tubes
- Thin walls
- Virgin polypropylene
- Flat cap: frosted surface on top of the tube for easy marking
- Ultra-Clear flat caps for QPCR
- Assorted colours: natural, yellow, red, green, blue



8-microtube strips

	Standard microtube strip		Low Profile Microtube Strips	
	250 x 8	120 x 8	250 x 8	120 x 8
Packaging unit	250 x 8	120 x 8	250 x 8	120 x 8
Units/box	250 x 8	120 x 8	250 x 8	120 x 8
8 microtubes + natural dome cap	016000*	016303	017868	016514
Price/box	N/A -	N/A -	N/A -	N/A -
8 microtubes + dome cap, assorted colours	016000F	-	016166	-
Price/box	N/A -	-	N/A -	-
8 microtubes + natural flat cap	016561	-	017239	016389
Price/box	N/A -	-	N/A -	N/A -
8 microtubes + flat cap, assorted colours	017867	-	016517	-
Price/box	N/A -	-	N/A -	-
8 microtubes + Ultra-Clear flat cap	-	016562	017802	-
Price/box	-	N/A -	N/A -	-
8 microtubes without cap	016001*	016164	-	016167
Price/box	N/A -	N/A -	-	N/A -

* Also available in colour.
Add the following suffix to the Cat.No: V=green, J=yellow, R=red, B=blue.

12-microtube strips

	Standard microtube strip	Low Profile Microtube Strips
	8 x 12	8 x 12
Packaging unit	8 x 12	8 x 12
Units/box	80 x 12	80 x 12
12 microtubes + dome cap	016512	-
Price/box	N/A -	-
12 microtubes + cap flat	016513	016518
Price/box	N/A -	N/A -
12 microtubes without cap	016511	-
Price/box	N/A -	-

Single cap-strips

	8-cap strip			12-cap strip	
	250 x 8	120 x 8	12 x 8	8 x 12	8 x 12
Packaging unit	250 x 8	120 x 8	12 x 8	8 x 12	8 x 12
Units/box	250 x 8	120 x 8	300 x 8	200 x 12	80 x 12
Natural dome cap strip	016002*	-	016447	016521	016174
Price/box	N/A -	-	N/A -	N/A -	N/A -
Natural flat cap strip	016169	016170	016519	016520	-
Price/box	N/A -	N/A -	N/A -	N/A -	-
Ultra-Clear flat cap strip	-	016175	-	-	-
Price/box	-	N/A -	-	-	-

* Also available in colour.
Add the following suffix to the Cat.No: V=green, J=yellow, R=red, B=blue.

0.2 ml white microtubes strips for quantitative PCR

White polypropylene strips, compatible with all quantitative PCR instruments using 0.2 ml strips (ABI PRISM, Bio-Rad i-cycler, Stratagene, etc).

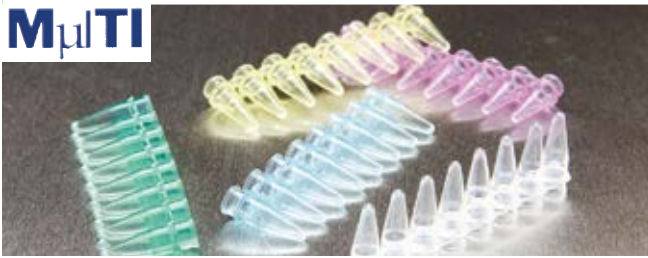
- Offers improved signal reflection for increased reproducibility and sensitivity
- Ultra-transparent caps for optimal fluorescence transfer
- Superior well-to-well reproducibility

Cat.No.	Description	Units/box	Price/box
017218	8 white opaque microtube-strip without cap*	120	N/A -
017803	8 white opaque microtube-strip with cap*	250	N/A -
016626	8 white opaque microtube-strip with cap	120	N/A -

* Low Profile



Multi 0.2 ml microtube strips



- > Extra thin wall, 8-strips
- > Easy to cut into individual tubes
- > Digital marking on each tube



Sterile	Natural	Red	Blue	Green	Yellow	Units/box	Price/box
Microtubes + 8-strip dome cap							
No	116380	114430	116400	116410	116420	250 x 8	N/A -
Microtubes + 8-strip dome cap							
Yes	116280	116290	116300	116310	-	120 x 8	N/A -
8-Microtube strip (without cap)							
No	138790	-	-	-	-	250 x 8	N/A -
8-strip dome cap							
No	038780	-	-	-	-	250 x 8	N/A -
8-Strip optical flat caps (quantitative PCR)							
No	037990	-	-	-	-	250 x 8	N/A -

ECO 0.2 ml PCR microtube strips



- > 8-Tube strip 0.2 ml + 8-dome or flat cap strip
- > Excellent transparency and wall thickness
- > Can be used from -20 °C to 100 °C
- > Centrifugal at 6000 g



Cat. No.	Description	Units/bag	Price/bag
010158	0.2 ml PCR microtube strip + dome cap	125 x 8	N/A -
010208	0.2 ml Microtube-strip + flat cap	125 x 8	N/A -

8 or 12 PCR tube strips 0.2 ml with loose strip caps

- > Fully automated production in a clean room class 8 according to ISO 14644-1
- > 8 or 12 domed cap strips to be ordered separately
- > Ensure a perfect seal during PCR cycles
- > Avoid cross-contamination
- > Made of polypropylene



PCR microtube strip

	Natural	Pink	Yellow	Green	Blue	Units/box	Price/box	Assorted with dome cap	Units/box	Price/box
8-strip	034175	034176	034177	034178	034179	125	N/A -	016000G	125 x 5	N/A -
12-strip	034187	-	-	-	-	125	N/A -	-	-	-

QPCR microtube strip

	White	Units/box	Price/box
8-strip	034180	125	N/A -

Flat and domed cap strip

	Flat caps			Domed caps						
	Natural	Units/box	Price/box	Natural	Pink	Yellow	Green	Blue	Units/box	Price/box
8-strip	034181	125	N/A -	034182	034183	034184	034185	034186	125	N/A -

ROTOR GENE 0.1 ml tube strips



- > Strip of 4 tubes 0.1 ml and 4 caps
- > Transparent polypropylene
- > For low fluorescence background noise
- > Suitable for the ROTOR GENE device
- > Temperature and optical uniformity



Cat. No.	Description	Units/box	Price/box
840621	4-Tube Strip 0.1 ml + 4 caps	250	N/A -

4-Tube strip 0.1 ml



- > Compatible with the ROTOR GENE
- > Suitable for QPCR and PCR
- > Attached caps
- > Anti-static
- > Inscription area on the cap

Cat. No.	Description	Units/box	Price/box
041376	4-tube strip 0.1 ml	250	N/A -
041377	Laser-markable 4-tube strip 0.1 ml *	250	N/A -

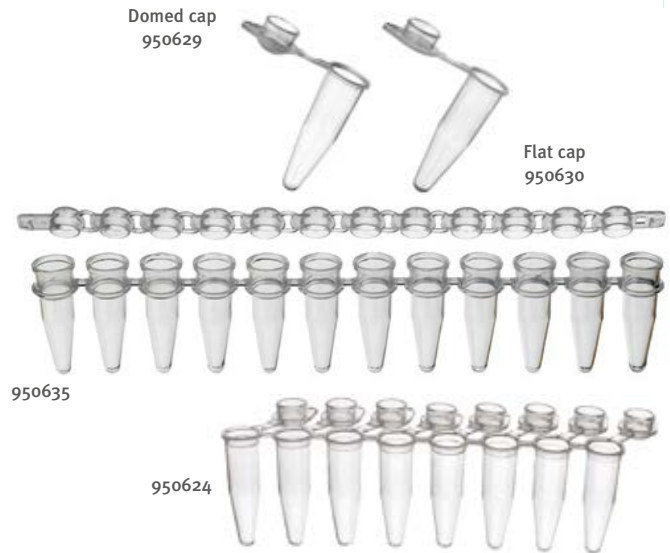
* code (number, letter, barcode) on request, to be specified when ordering.

Labcon 0.2 ml PCR microtube-strips and individual microtubes

- > Dome cap or flat cap
- > Compatible with most thermal cyclers
- > Made of virgin polypropylene
- > Autoclavable (122 °C, 15 min)
- > Freezable at -80 °C



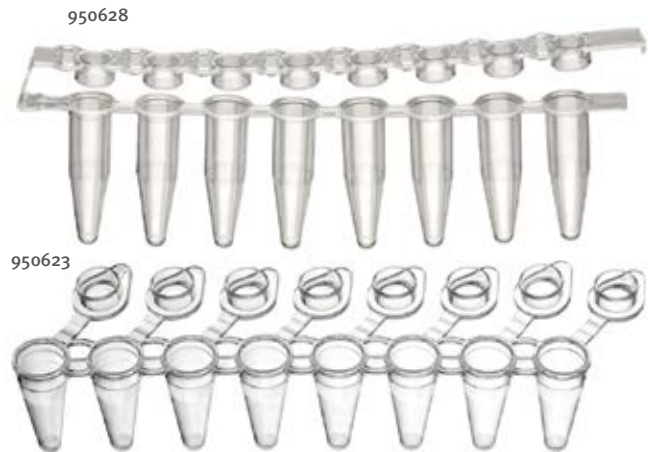
Cat. No.	Description	Units/ bag	Units/ box	Price/ box
950629	PCR microtube with domed cap	1000	10000	N/A -
950630	PCR microtube with flat cap	1000	10000	N/A -
950624	8-tube strip with individual domed caps	120	1200	N/A -
950625	8-tube strip with domed caps	125	1250	N/A -
950635	12-tube strip with domed caps	80	800	N/A -
950632	12-tube strip without cap	80	800	N/A -
950631	8-domed cap strip	125	1250	N/A -
950634	12-domed cap strip	80	800	N/A -



Labcon qPCR 8-tube strips

- > Optical flat caps for use in real-time PCR
- > Available in white for fluorescence detection
- > Compatible with most thermal cyclers
- > Made of polypropylene
- > Autoclavable (122 °C, 15 min)
- > Freezable at -80 °C

Cat. No.	Description	Units/ box	Price/ box
950627	8-tube strip 0.1 ml with individual caps attached	1200	N/A -
950626	8-tube strip 0.2 ml with individual caps attached	1200	N/A -
950628	8-tube strip 0.2 ml with caps in strip	1250	N/A -
950633	8-flat cap strip	1250	N/A -
950623	8-tube strip, opaque white 0.1 ml with individual caps attached	1200	N/A -



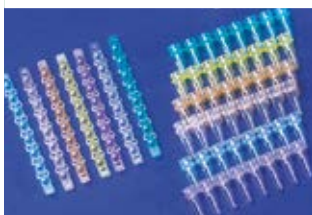
Labcon 4-tube strip 0.1 ml

- > Compatible with the ROTOR GENE
- > Made of polypropylene

Cat. No.	Description	Units/ box	Price/ box
950622	4- PCR tubes 0.1 ml with cap	250	N/A -



Microtube strip 0.2 ml with alphanumeric marking



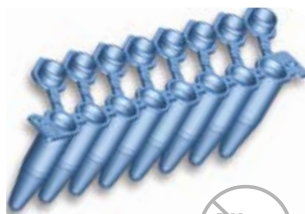
Microtube and cap strips for all brands of thermal cyclers.

- ▶ Extra thin wall
- ▶ In 8-strip
- ▶ Numerical marking on tube strips and alphabetical marking on cap strips



Type	Natural	Units/box	Price/box	Orange	Units/box	Price/box
Tubes + 8-cap strip	016000T	250	N/A -	077585C	120 x 8	N/A -

8 microtube strip 0.2 ml, high profile with individual optical caps attached



- ▶ With frosted marking area at both ends of the strip
- ▶ Suitable for use in virtually all PCR equipment
- ▶ The strips are mounted in the matrix system (038718, see page 218), allowing 96 microplate tubes to be transported at once
- ▶ Tubes with flat optical caps for quantitative PCR

Colour	With flat optical cap	With flat optical cap	With domed cap
Natural	038735B	038440B	038746
Red	038736B	038441B	038747
Blue	038737B	038442B	038748
Green	038738B	038443B	-
Yellow	038739B	038444B	-
Orange	038740B	038445B	038751
Violet	038741B	038446B	-
Amber	-	-	038753
Packaging unit	300 x 8	120 x 8	120 x 8
Price	N/A -	N/A -	N/A -
Natura sterile	038745B	038448B	038756
Packaging unit	300 x 8	120 x 8	120 x 8
Price	N/A -	N/A -	N/A -

Microtube strip 0.2 ml with individual cap or in strip



8-PCR microtube strip 0.2 ml with the strip of 8 caps attached laterally - or with 8 individual caps attached.

- ▶ Avoids searching for tubes and caps
- ▶ Eliminates cross-contamination
- ▶ Domed or flat caps



Thermo-strip CrocStrip™ 0.2 ml Tubes, strip caps

Cat. No.	Description	Cap shape	Price/box
045402	125 x 8 natural microtube strip	Domed	N/A -
048022	25 x 8 natural microtube strip	Flat*	N/A -

SnapStrip™, 0.2 ml Tubes, individual caps attached

Cat. No.	Description	Cap shape	Price/box
045405	120 x 8 natural microtube strip	Domed	N/A -
045412	120 x 8 assorted microtube strip	Domed	N/A -
048023	120 x 8 natural microtube strip	Flat*	N/A -
048024	120 x 8 low profile microtube strip	Flat*	N/A -

* QPCR special optical cap

UltraFlux low profile tube strips 0.1 ml



- ▶ 8-tube strips
- ▶ Low version, thin walls
- ▶ Suitable for quantitative and qualitative PCR

Cat.No.	Description	Units/box	Price/box
840637	8-tube strips+ 8 flat caps strips, transparent	250	N/A -
840638	8-white tube strips + 8-flat caps strips, transparent	250	N/A -
840639	8-Tube strips 0.1 ml	250	N/A -

UltraFlux i and UltraFlux z tube strips 0.2 ml



- ▶ Polypropylene, non-autoclavable and non-centrifugal, temperature resistant from -80 °C to + 121 °C
- ▶ Transparent cap



- 2 versions:
- UltraFlux i: also available in low profile 0.1 ml; flat, transparent, individual caps attached
 - UltraFlux z: 8-flat cap strip, transparent



Model	Natural	Blue	Green	Red	Violet	Yellow	Assortment	Units/box	Price/box	White	Units/box	Price/box
Ultra Flux i standard	048046	840622	840623	840624	840625	840626	840627	120	N/A -	048045	120	N/A -
Ultra Flux i low profile	840628	-	-	-	-	-	-	120	N/A -	840629	120	N/A -
Ultra Flux z standard	048022	840630	840631	840632	840633	840634	840635	125	N/A -	840636	120	N/A -

Vari-Strips 8-PCR tube strips

Low profile PCR strips can be used alone or inserted into frames for adaptation to common thermal cyclers.

- Made of medical grade virgin polypropylene
- Available in white for fluorescence detection
- 3 frames suitable for the most common thermal cyclers (LC480, Abi Fast Block, standard 96-well skirted PCR plate)
- Available in frame-mounted version



Type of Vari-Strips	White strips			naturalstrips		
	Cat. No.	Units/ bag	Price/ bag	Cat.No.	Units/ bag	Price/ bag
Alone without caps	448011	120	N/A -	448012	120	N/A -
Alone with optical flat caps	448013	120	N/A -	045656	120	N/A -
On standard white skirted frame	448017	50	N/A -	448018	50	N/A -

Vari-Strip PCR frames alone

Cat.No.	Description	Price 10 units
448074	Frame 480/96 for LC480 white	N/A -
448075	FAST Block ABI frame white	N/A -
448014	Standard white skirted frame	N/A -

FrameStrip™ 8-PCR tube strips

- Polycarbonate frame and virgin polypropylene wells: reduces the risk of well-to-well contamination during cap removal
- Blank thin-walled polypropylene PCR tubes
- Installation and removal tabs
- White wells for QPCR or optical testing
- Available with domed or flat transparent caps (QPCR)

Frame colour	8-clear tube strips and domed caps	8-clear tube strips and flat transparent caps	8-White tube strips and transparent flat caps
Blue	044820	044824	-
Green	044821	044825	-
Violet	044819	044826	-
Red	044822	044827	-
Black	044823	044828	044829
Assorted	044873	044874	-
Packaging unit	120 strips	120 strips	120 strips
Price	N/A -	N/A -	N/A -



Rigid PCR strip

8-PCR tube strips

- Made of medical grade virgin polypropylene (Low Bind) - manufactured in clean room
- Individual optical flat caps for fluorescence (QPCR)
- Tubes attached to each other by 3 clips for better rigidity



Cat. No.	Description	Attached caps	Units/ box	Price/ box
045661	8-Tube strip 0.1 ml	Optical dishes	120	N/A -
045660	8-Tube strip 0.2 ml	Optical dishes	120	N/A -
045684	8-Tube strip 0.2 ml	Domed	120	N/A -

4-PCR tube strips 0.1 ml for Corbett/Qiagen Rotor-Gene

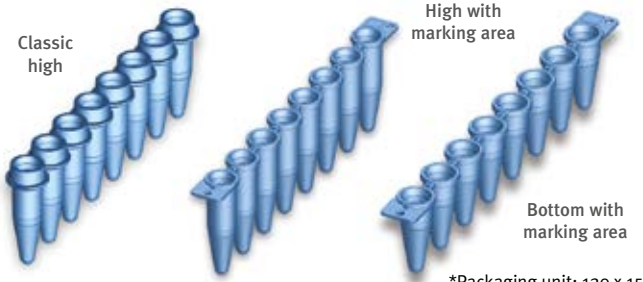
- Made of polypropylene
- Optimised strips for the Corbett/ Qiagen Rotor-Gene PCR machine
- 4 x 0.1 ml tubes
- Supplied with flat cap strips
- Separable strips and caps for individual use



Cat. No.	Description	Units/ box	Price/ box
448037	4-PCR tube strip 0.1 ml	250	N/A -

Microtube strips for PCR and QPCR E.U.

E.U. for "Extremely uniform". Same general characteristics as the individual E.U. microtubes for PCR and QPCR (see page 209).



8-tube low profile strips

- Suitable for use in most standard PCR instruments or for real-time PCR with height-adjustable lid
- With frosted marking area at both ends of the strip
- Strips fit into the 038718 matrix system to transport 96 microplate tubes at once
- For use with EU flat cap strips (series 038725B) or EU half dome optical cap strip (series 038633)



E.U. matrix support

Cat. No.	Description	Price
038718	E.U. matrix holder for PCR tubes/strips	N/A -

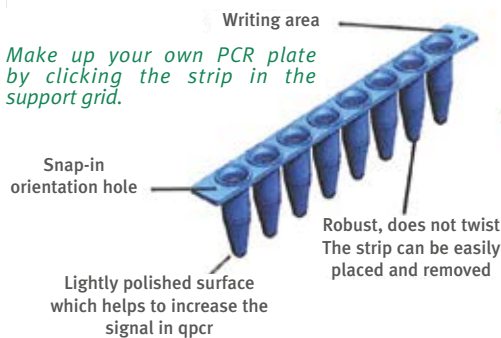
8-tube high profile strips

- Series 038611: combines the advantages of the "EU" wall with the shape of conventional PCR tubes
- Series 038622: with frosted marking area at both ends of the strip
- Suitable for use in almost all PCR equipment
- For use with EU flat cap strips (series 038725B) or EU half dome optical cap strips (series 038636) - see below
- Strips fit into the 038718 matrix system to transport 96 microplate tubes at once



Type	High profile classic 0.2 ml	High profile + marking area	Low profile + marking area	Low profile, high strength
Natural	038611	038622	038309B	038789
Red	038612	038623	-	-
Blue	038613	038624	-	-
Green	038614	-	-	-
Yellow	038615	-	-	-
Orange	038616	038627	-	-
Violet	038617	-	-	-
Amber	038618	038629	-	-
White	038619	-	041388*	-
Black	038620	-	-	-
Packaging unit	120 x 8	120 x 8	120 x 8	120 x 8
Price	N/A -	N/A -	N/A -	N/A -
Natural sterile	038621	038632	-	-
Packaging unit	120 x 8	120 x 8	-	-
Price	N/A -	N/A -	-	-

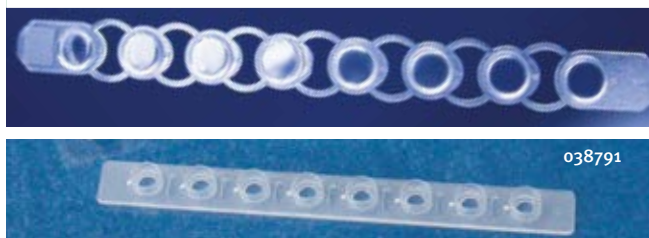
8-PCR tube strip 0.2 ml E.U.



- Low evaporation
- Extra robust, no risk of deformation
- Compatible with most PCR and QPCR devices including ABI 7300 and ABI 7500

Cat.No.	Description	Units/box	Price/box
038795	8-Tube strip 0.2 ml	120	N/A -
038796	8-flat optical cap strip	120	N/A -
038798	Reusable natural grid tube holder	8	N/A -

Optical cap strips



Universal flat optical caps

- For all Bioplastics (EU) brand microplates and tube strips
- For applications in QPCR, storage or PCR
- Caps cut into the plastic tab avoid the risk of touching the optical part of the cap

Real-time PCR flat optical caps

- Can also be used for conventional thermal cycles
- With glass-like transparent area that equals the performance of QPCR adhesives
- For use with high or low profile tube strips

Semi-domed optical caps

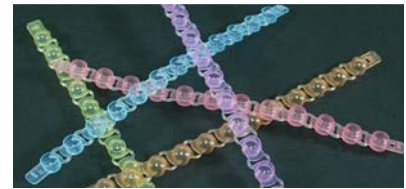
- 8-Semi-domed optical cap strips are used for QPCR due to their optically flat area at the top of the cap
- For use with high or low profile tube strips

Type	Flat	Flat	Semi-domed	Semi-domed	Flat
For tubes	Low profile,	High profile	Low	High profile	Universal
Natural	038725B	038317B	-	-	038791
Red	-	-	-	038636	-
Blue	-	-	-	-	-
Green	-	-	038639	038640	-
Yellow	-	-	-	038642	-
Orange	038730	038322	-	038644	-
Violet	-	-	-	038646	-
Amber	038732	-	-	038648	-
White	-	-	038649	-	-
Packaging unit	300 x 8	120 x 8	300 x 8	120 x 8	120 x 8
Price	N/A -	N/A -	N/A -	N/A -	N/A -
Natural sterile	038734	038327	-	038654	-
Packaging unit	300 x 8	120 x 8	-	120 x 8	-
Price	N/A -	N/A -	-	N/A -	-

PCR MICROTUBE STRIPS

Ultraflux® PCR strips and tubes

- 8 or 12 PCR microtube strips, alone or with domed or flat cap
- 0.2 ml Microtube



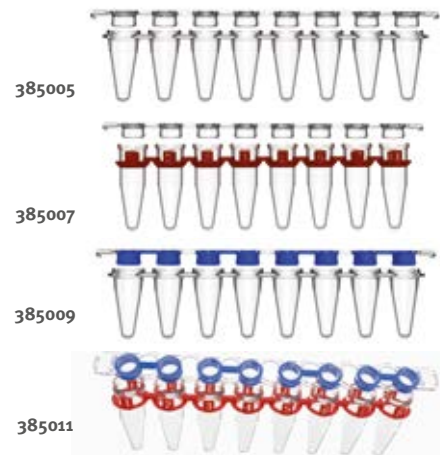
Colour	8-strip					12-strip				
	Microtubes	Microtubes an domed caps	Domed caps	Microtubes and flat caps	Flat caps	Microtubes	Microtubes an domed caps	Domed caps	Microtubes and flat caps	Flat caps
Blue	840561	840573	840549	-	-	840567	-	840555	-	-
Green	840562	840574	840550	-	-	840568	840579	840556	-	-
Red	840563	840575	840551	-	-	840569	840580	840557	-	-
Purple	840564	840576	840552	-	-	840570	840581	840558	-	-
Yellow	840565	840577	840553	-	-	840571	-	840559	-	-
Assorted	840566	840578	840554	-	-	840572	840536A	840560	-	-
Units/box	125 x 8	125 x 8	125 x 8	-	-	80 x 12	80 x 12	80 x 12	-	-
Price/box	N/A -	N/A -	N/A -	-	-	N/A -	N/A -	N/A -	-	-
Natural	840543	840546	840583	840872	840542	016007	048047	016008	840873	840874
Units/box	125 x 8	125 x 8	125 x 8	125 x 8	125 x 8	80 x 12	800 x 12	80 x 12	80 x 12	80 x 12
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

8-PCR or qPCR microtube strips

- In transparent polypropylene
- QPCR version: optical cap, high detection sensitivity
- Low force cap version for effortless closure of microtubes
- Available in a numbered version for easy identification



Version	Volume (ml)	PCR microtube strips	Price 120 units	QPCR microtube strips	Price 120 units
Classic	0.1	385005	N/A -	385006	N/A -
Numbered	0.2	385007	N/A -	385008	N/A -
With reduced force	0.1	385009	N/A -	385010	N/A -
Numbered and reduced force	0.2	385011	N/A -	385012	N/A -



8-Cap strips for PCR or qPCR microtubes

- In transparent polypropylene
- QPCR version: optical cap, high detection sensitivity
- Available with low force cap for effortless closure of microtubes

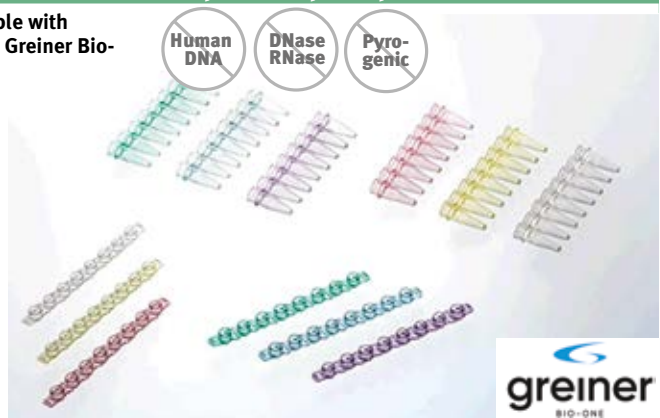
Cat. No.	Description	Units/box	Price/box
385013	8-PCR cap strip	120 x 2	N/A -
385014	8-qPCR cap strip	120 x 2	N/A -
385015	8-PCR cap strip, reduced strength	60 x 2	N/A -
385016	8-qPCR cap strip, reduced strength	60 x 2	N/A -



Greiner Bio-One PCR and qPCR 8-microtube strips/8-cap strips

- Medical grade PP without additives
- Full compatibility with all thermal cyclers
- Thin wall for better temperature transfer
- Tubes with ultratransparent flat cap = qPCR and rt-qPCR
- All cap strips are compatible with Sapphire microplates and Greiner Bio-One 8-microtube strips

Cat. No.	Colour	Volume (ml)	Caps	Units/bag	Units/box	Price/box
8-Microtube strips						
673210	Natural	0.2	Without	125	1250	N/A -
8-Cap strips						
373270	Natural	-	Domed	125	1250	N/A -
373250	Natural	-	Flat	125	1250	N/A -



Multi 96-well PCR plates



ultra-Plate



Skirted

Polypropylene thin-walled 96-well plates for use with all types of thermal cyclers.

- ▶ Printed alphanumeric grid
- ▶ Rigid, heat-resistant
- ▶ Models with low profile skirt or without ultra flat skirt



Colour	ultra-Plate non skirted		Skirted plate low profile	
	Cat. No.	Price 25 units	Cat. No.	Price 25 units
Natural	021970	N/A -	023080	N/A -
Natural - 100 units	026190	N/A -	02844	N/A -
Blue	021990	N/A -	023100	N/A -
Yellow	022010	N/A -	023120	N/A -
Red	021980	N/A -	023090	N/A -
Green	022000	N/A -	023110	N/A -
Violet	022170	N/A -	-	-
Black	037860	N/A -	037360	N/A -
White	037870	N/A -	037370	N/A -

Accessories

Cat. No.	Description	Units/box	Price/box
106570B	Aluminium Closing Tape	100	N/A -

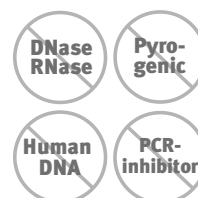
Multi half-skirted 96-well PCR plates for ABI



Half-skirted

For ABI thermocyclers and DNA analysers.

- ▶ Pan cut for easy orientation of the plate
- ▶ Alphanumeric and black printing of the wells
- ▶ Raised edge all around the plate for better overlapping of the plates
- ▶ Half-skirted providing a marking surface and easy handling for robots



Colour	Natural	Red	Blue	Green	Yellow	Violet	Black	White	Natural*
Cat. No.	035800	035820	035840	035810	035830	035850	037380	037390	035900*
Price 25 units	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

* 4 x 25, prices for 4 x 25

Multi 96-well PCR plate, half-skirted, reinforced edge



96-well plate, Thin-walled, for use in any thermal cycler.

- ▶ Alphanumeric index printed in black

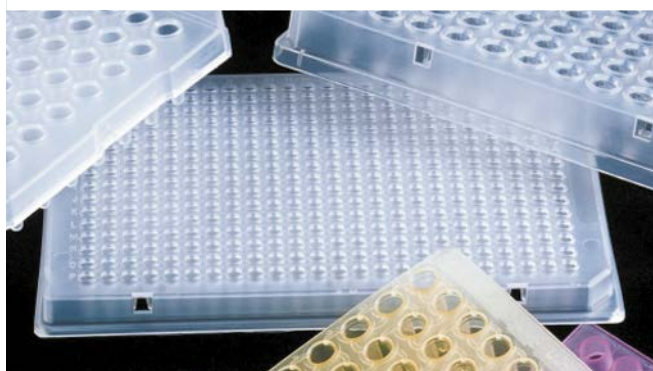
Cat.No.	Description	Units/box	Price/box
174370	96-well PCR plate, Half-skirted, reinforced edge	4 bags of 25	N/A -

Accessories

Cat. No.	Description	Units/box	Price/box
490010	Silicone mat for ABI 3100	10	N/A -
712201	Silicone mat for ABI 3100	50	N/A -
136590	Adhesive film for other ABI systems	100	N/A -



ultra-Plate 384-well PCR plate



384-well rigid polypropylene PCR plate. Compatible with ABI 3700 and ABI 3730.

- ▶ Alphanumeric index printed in black
- ▶ Total volume of each well: 40 µl
- ▶ Work volume for each well: 25 µl
- ▶ Autoclavable



Colour	Natural	Red	Blue	Green	Yellow	Black	White	Price 50 units
Cat. No.	039620	037910	037920	037930	037940	037970	037980	N/A -

FastPlate PCR plate for ABI + reagent kit



Plate

- > 96-well plate with printed markings
- > Specially designed for the ABI 9800 and 7500 FAST thermal cyclers
- > Very transparent low profile
- > Can also be used on most thermal cyclers

Reagent

- > "Inferno Master Mix" specially designed for the specific protocols of the ABI 9800
- > The kit includes 2 flasks of Master Mix (1250 µl each) for 250 reactions
- > The formula combines a Taq and a buffer mix

Cat. No.	Description	Units/box	Price/box
138800	PCR FastPlate Plate	25 plates	N/A -
138900	PCR FastPlate Plate	4 x 25 plates	N/A -
011670	Inferno Master Mix	2 x 1250 µl	N/A -

96 and 384 well PCR plates for Light Cycler®



- > Polypropylene, white
- > Specially designed for the Light Cycler® Roche®
- > For use only with adhesive film Cat. No. 136590

Cat. No.	Description	Units/box	Price/box
138870	96-well PCR plate for Light Cycler®	100	N/A -
138820	384-well PCR plate for Light Cycler®	100	N/A -
136590	Adhesive film for QPCR plate	100	N/A -

ClearLine® PCR Plates



- > 96-well plate
- > Natural
- > Alphanumeric index printed in black



Cat. No.	Skirt	Working volume	Format	Other features	Units/box	Price/box
257047	Non skirted	200 µl	Universal	Flange around each well for easy sealing	100	N/A -
257048	Skirted	200 µl	Universal	Low profile, CFX96 compatible	100	N/A -
257049	Half-skirted	200 µl	Universal	Flange around each well for easy sealing	100	N/A -
257050	Half-skirted	100 µl	ABI	Fast plate, low profile, ultra-transparent wells	100	N/A -



Greiner Bio-One Sapphire PCR and qPCR Microplaques

- > Compatibility guide available + possible samples for testing
- > Medical grade PP without additives
- > Alphanumeric marking
- > Greiner Bio-One AMPLIseal optical film seal for PCR/qPCR 676040 or 3732XX 8-cap strip



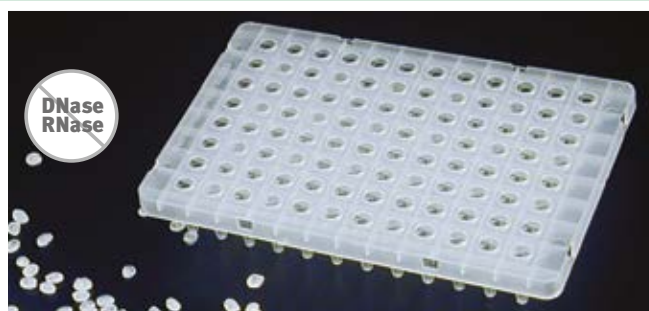
Cat.No.	Colour	Format	Vol. (µl)	Skirt	Specifications	Units/bag	Units/box	Price/box
652201B	Natural	96	200	No	Biorad (CFX96) and Eppendorf	10	100	N/A -
652250	Natural	96	200	No	Universal	10	100	N/A -
652210	Natural	96	100	No	Universal Low profile	10	100	N/A -
669285	White	96	200	1/2 skirted	LC96 and LC480	25	100	N/A -
652290B	Natural	96	200	1/2 skirted	Almost universal	10	100	N/A -
652260B	Natural	96	200	1/2 skirted	ABI Design	10	100	N/A -
652270B	Natural	96	200	Skirted	-	10	40	N/A -
785201	Natural	384	25	Skirted	CFX384, LC96	15	60	N/A -
785285	White	384	25	Skirted	and LC480	25	100	N/A -
785290	Natural	384	25	Skirted	ABI compatible	15	60	N/A -



EU quantitative PCR microplates

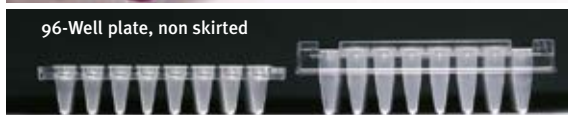
- > Skirted Low profile or skirtless (easily cut into 16, 24, 32 or 48 well strips)
- > One-piece moulding, uniform and thin wall
- > Frosted tubes for PCR and real-time PCR applications

Cat.No.	Description	Colour	Units/box	Price/box
038759	Skirted plate	Natural	25	N/A -
038771	Non-skirted Plate	Natural	25	N/A -
038772	Non-skirted Plate	White	25	N/A -
038317B	Optical cap strips		120 x 8	N/A -
038712	Optical adhesive		100	N/A -



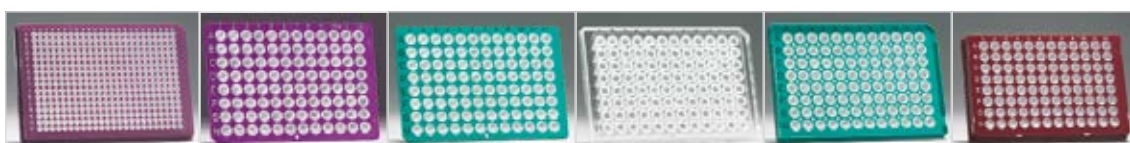
Framestar 96 and 384-well PCR Microplates

UNALTERABLE!



Comparison Low Profile (left) /standard (right)

- ▶ Hardshell PCR plates with two plastic components: rigid polycarbonate for frame and skirt, medical grade polypropylene wells, thin wall
- ▶ Alphanumeric marking for better visibility
- ▶ SBS standard before and after PCR
- ▶ Recommended for low volume PCR
- ▶ Reliable use with robots and stackers
- ▶ Thin wall, no deformation, better adhesion of adhesive films, optimised for heat sealing
- ▶ Reduced evaporation, reagent savings
- ▶ Well integrity guaranteed
- ▶ Clean room production
- ▶ Optional barcode and colour
- ▶ Compatibility of plates with PCR robots or devices and production batch certificate on request



Applications		Ideal for robotic applications.	Compatible with most thermal cyclers.	Recommended for low volume PCR.	ABI compatible universal plate	Suitable for thermal cyclers and ABI sequencers.	Ideal for robotic applications and low volume PCR.
Frame/well colours	Units/box	384-well plates	96-Well plate, non skirted, standard	96-well plate, non skirted, low profile	96-Well plate, semi skirted	96-well plate, semi skirted, ABI	96-well plate Skirted
Violet/Natural	50	044706	044712	044729	-	044713	044700
Price/box		N/A -	N/A -	N/A -	-	N/A -	N/A -
Blue/Natural	50	044707	044723	044730	-	044753	044701
Price/box		N/A -	N/A -	N/A -	-	N/A -	N/A -
Natural/Natural	50	044751	044724	044731	044783	044754	044764
Price/box		N/A -	N/A -	N/A -	N/A -	N/A -	N/A -
Green/Natural	50	044708	044725	-	-	044755	044702
Price/box		N/A -	N/A -	-	-	N/A -	N/A -
Red/Natural	50	044709	044726	-	-	044756	044703
Price/box		N/A -	N/A -	-	-	N/A -	N/A -
Black/Natural	50	044710	-	-	-	044757	044704
Price/box		N/A -	-	-	-	N/A -	N/A -
Black/White	50	044711	044728	044763	044786	-	044705
Price/box		N/A -	N/A -	N/A -	N/A -	-	N/A -
Black/Black	50	044715	-	-	-	-	-
Price/box		N/A -	-	-	-	-	-
Natural/ Frosted	50	045681	-	-	045682	-	-
Price/box		N/A -	-	-	N/A -	-	-
Grey/natural	50	-	-	-	-	-	045685*
Price/box		-	-	-	-	-	N/A -

* With rigid skirt, for use with PerkinElmer® Sciclone robots

FrameStar Break-A-Way™ 96-well PCR microplates



1st hand-breakable plate

Combine the advantages of a PCR tube with the ease of handling of a rigid plate.

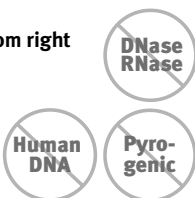
- ▶ Manually Divisible plates, at all temperatures, up to 8-strips: maximum flexibility of use!
- ▶ 96 wells with raised edges
- ▶ Alphanumeric marking
- ▶ Cat. No. 044846 with white wells for qPCR
- ▶ Well Volume: 250 µl (useful volume)
- ▶ Autoclavable
- ▶ Compatible with most thermal cyclers



Frame/well colours	96-well plate, Break-A-Way™	96-well plate Break-A-Way™ - low profile	Units/box	Price/box
Violet/Natural	044840	-	50	N/A -
Blue/Natural	044841	-	50	N/A -
Natural/Natural	044845	044996	50	N/A -
Green/Natural	044842	044999	50	N/A -
Red/Natural	044843	-	50	N/A -
Black/Natural	044844	044875	50	N/A -
Black/White	044846	-	50	N/A -

Framestar 480 PCR Microplates for Roche LC480

- 96 and 384 well plate for QPCR
- Skirted or semi-skirted with cut edge at the bottom right
- Rigid, transparent polycarbonate frame
- Black alphanumeric marking for lightcycler
- Thin-walled polypropylene white wells
- Made in clean room
- Bar codes on request



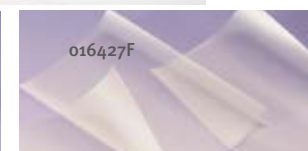
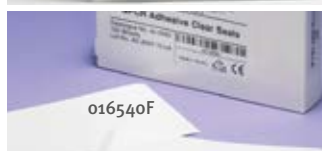
Frame/well colours	Units/box	96 semi-skirted wells	384-well skirted
Transparent/White	50	044798	044804
Price/box		N/A -	N/A -
Transparent/Transparent	50	044799	044805
Price/box		N/A -	N/A -

QPCR adhesive seal plates and film

Cat. No.	Description	Units/box	Price/box
044802	Plate 044798 + film 016540F	50	N/A -
044803	Plate 044799 + film 016540F	50	N/A -
044806	Plate 044804 + film 016540F	50	N/A -
044807	Plate 044805 + film 016540F	50	N/A -

Films for sealing (see details on page 411)

Cat. No.	Description	Packaging	Price
016540F	QPCR adhesive seal	100 sheets	N/A -
016427F	Clear Seal (manual sealer)	100 sheets	N/A -



FrameStar FastPlate 96-well Semi-skirted Microplate

- PCR 96-well plate
- Compatible with FAST blocks on ABI machines (PCR and QPCR)
- Polycarbonate frame for greater rigidity
- Polypropylene wells, thin wall to optimise heat transfer
- Plate with white wells to optimise quantitative PCR results
- Frosted well plate for improved read sensitivity

Cat.No.	Type	Number of wells	Frame colour	Well colour	Bar code	Units/box	Price/box
044801	Semi-skirted	96	Transparent	Transparent	No	50	N/A -
044800	Semi-skirted	96	Transparent	White	No	50	N/A -
045683	Semi-skirted	96	Transparent	Frosted	No	50	N/A -



Framestar 96-well universal semi-skirted plate

- Universal semi-skirted plate
- Corner cut in H1
- Polycarbonate frame
- Virgin polypropylene wells, thin wall

Cat. No.	Description	Units/box	Price/box
044808	Framestar 96-well universal semi-skirted plate universal, transparent frame and wells	50	N/A -
044809	Framestar 96-well universal semi-skirted plate universal, transparent frame white wells	50	N/A -



4titude cap strips for microplates

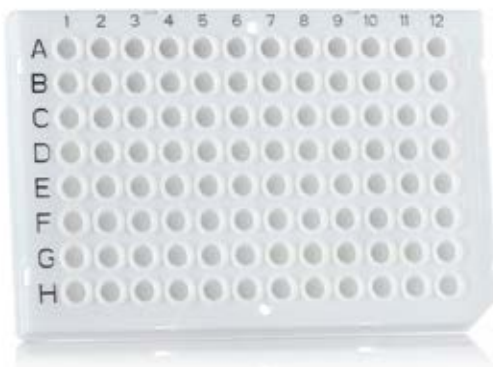
Cat. No.	Description	Price 300 units
044737	Domed cap strips for 4titude PCR plates	N/A -
044739	Optical flat cap strips for PCR 4titude plates	N/A -



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96-well PCR plate for LightCycler 480

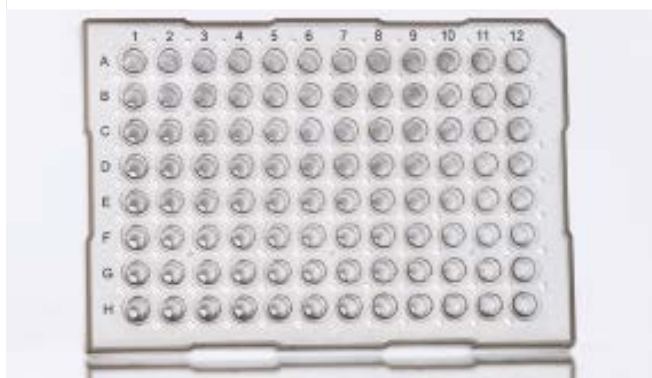


- > Virgin polypropylene
- > Semi-skirted plate
- > Low profile
- > Alphanumeric marking
- > SBS format
- > LightCycler 480 compatible
- > Working volume: 150 µl
- > Total volume: 200 µl



Cat. No.	Description	Units/box	Price/box
448010	96-well plate	50	N/A -
922240	96-well plate + qPCR film (140 x 77 mm)	50	N/A -

96-well PCR plate for ABI

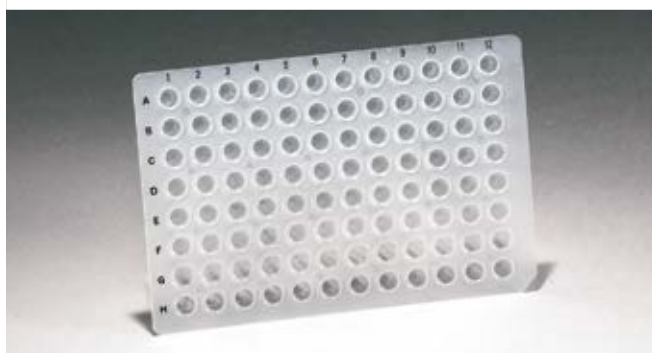


- > Virgin polypropylene
- > Semi-skirted plate
- > Cut corner A12
- > Working volume: 200 µl
- > Total volume: 300 µl
- > ABI thermocyclers and sequencers compatible - except for Fast block
- > Frosted well plate for improved qPCR signal intensity and read sensitivity



Cat. No.	Description	Units/box	Price/box
922239	96-well plate, Semi-skirted	50	N/A -

96-well PCR Non-skirted plate with black marking



- > Made of virgin polypropylene
- > Universal plate compatible with most thermal cyclers and sequencers (ABI, Biorad, Eppendorf, etc.)
- > Black marking for easy filling of wells
- > Compatible with adhesive films, sealing films and flat and domed cap strips



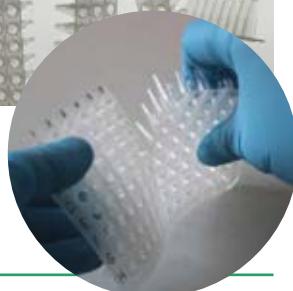
Cat. No.	Description	Units/box	Price/box
044759	96-well universal PCR plate, non-skirted, black marking	50	N/A -

Tear-A-Way™ 96-well PCR plate



Divisible "by hand"

- > Universal 96-well PCR plate, virgin medical grade polypropylene
- > Non-skirted, raised edge well
- > Pre-cut, divisible by hand into sections or strips of 8 or 12 wells
- > Economical: no need to use scissors and plate cutters
- > Eliminates the risk of contamination associated with cutting
- > Compatible with most thermal cyclers, SBS format
- > Useful volume of wells: 250 µl
- > Black alphanumeric well marking
- > Autoclavable
- > Compatible with cap strips

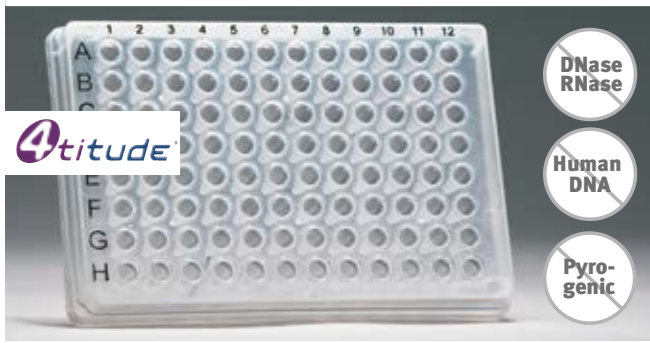


Cat. No.	Colour	Skirt	Breakable into strips of	Units/box	Price/box
044872	Natural	Without	8	50	N/A -
044994	White	Without	8	50	N/A -
045678	Natural	Without	12	50	N/A -

Cap-strips for 4titude plates

Cat.No.	Description	Units/box	Price/box
044737	8-domed cap strip for 4titude PCR plates	300	N/A -
044739	8-optical flat cap strip for 4titude PCR plates	300	N/A -
045679	12-optical flat cap strip for 4titude PCR plates	200	N/A -

96-well skirted PCR plate



- Made of virgin polypropylene
- Black marking for easy filling of wells
- Low profile plate, with a working volume of 0.2 ml per well
- Corner cut for easy orientation of the plate
- Stackable
- Compatible with adhesive films, sealing films and flat and domed cap strips
- Barcodes available

Cat. No.	Description	Units/box	Price/box
044760	96-well PCR plate, skirted	50	N/A -

96-well semi-skirted PCR plate



- Made of virgin polypropylene
- Specially designed for ABI thermal cyclers
- Natural
- Manufactured in clean room
- Contaminant free

Cat. No.	Description	Units/box	Price/box
016657B	96-well PCR plate, Semi-skirted	50	N/A -
448062	96-well QPCA semi-skirted plate*	50	N/A -

* not marked, Non-contractual photo.



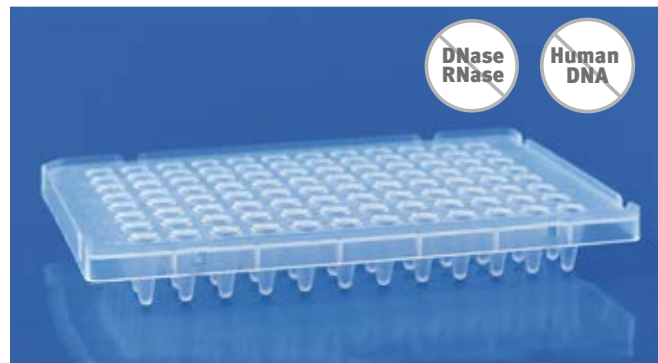
TIP
Find our adhesive films for PCR plates on page 237 and 413

96-well PCR and qPCR plate for Fast-PCR MicroAmp

- Virgin polypropylene
- Specially designed for Fast System and Genetic/DNA Analyzer thermal cyclers
- Ultra-thin wall: promotes fast, optimal and homogeneous heat transfer (increased reproducibility)
- Constant well thickness: reduces experimental artefacts

thermo scientific

Cat.No.	Description	Units/box	Price/box
017985	96-well PCR and qPCR plate for Fast-PCR MicroAmp	10	N/A -



Endura 96-well PCR and qPCR plate

- Virgin polypropylene
- Robust, high plate stability in post PCR
- Alphanumeric marking
- Ultra-thin wall: promotes fast, optimal and homogeneous heat transfer (increased reproducibility)
- Suitable for use in robotics or high-speed platforms

thermo scientific

Cat. No.	Description	Units/box	Price/box
017986	Endura 96-well PCR and qPCR plates	20	N/A -



NB: Non-contractual photo.

96-well optical PCR and qPCR plate

- Made of polypropylene
- No auto-fluorescence
- Uniformity of temperature from one well to another

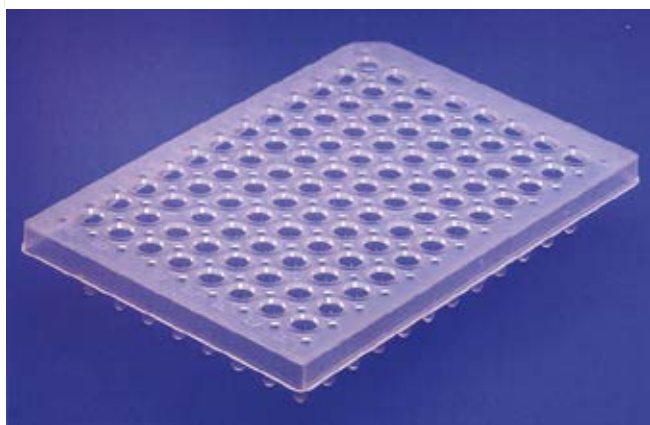
thermo scientific

Cat. No.	Description	Units/box	Price/box
017984	96-well Semi-skirted optical plate	10	N/A -
017987	96-well Semi-skirted optical plate	500	N/A -



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Abgene® 96-well® 96-well PCR Plate



- SBS format
- Ultra-thin wall: promotes fast, optimal and homogeneous heat transfer (increased reproducibility)
- Extremely smooth, medical grade virgin polypropylene with no risk of DNA adsorption on the walls
- Available in white for quantitative PCR
- Each certified batch is free of DNase, RNase and human DNA (certificate included in each box)
- Quality control certificate provided
- Optical and electrical testing to ensure absence of micropores
- Flange around each well to eliminate the risk of cross-contamination and allow for different sealing methods

Different models to meet your individual needs or applications:

- aBgene® standard plate (volume 0.3 ml);
- low Profile skirted plate (volume 0.2 ml);
- skirted plate for robotics (reinforced plate);
- Divisible or rigid semi-skirted plate (volume 0.3 ml);
- rigid plate for robotic applications;
- ultra rigid SuperPlate to avoid post-PCR distortion, ideal for robotic applications;
- random barcode version available on request for skirted and half-skirted plates (natural and white).



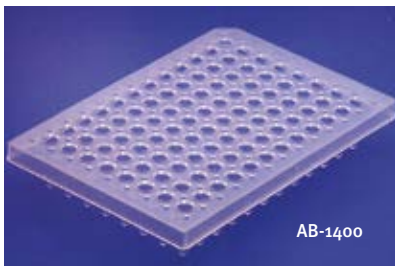
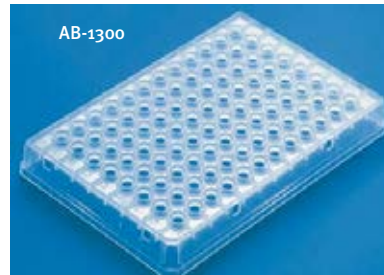
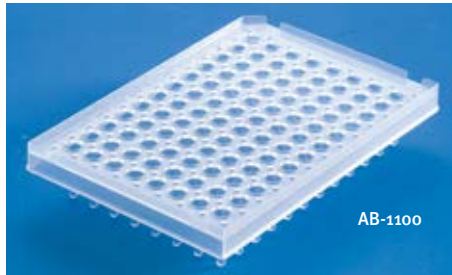
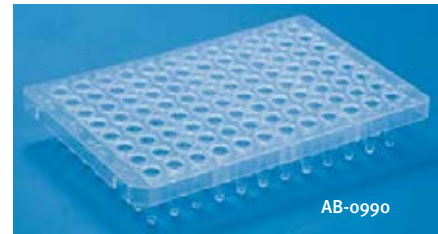
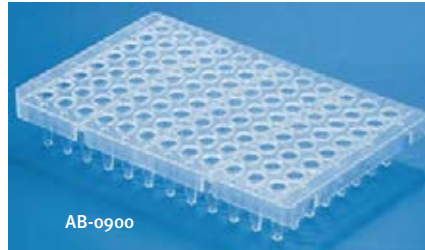
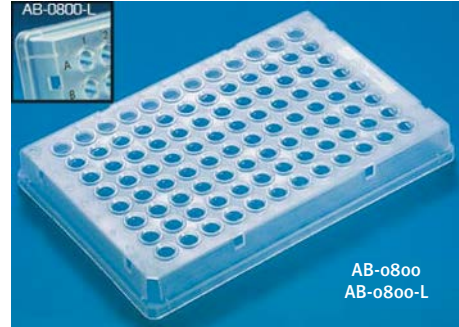
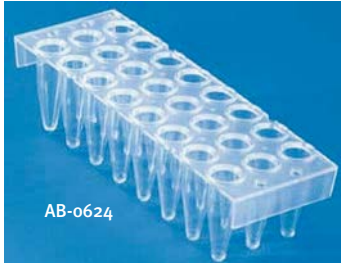
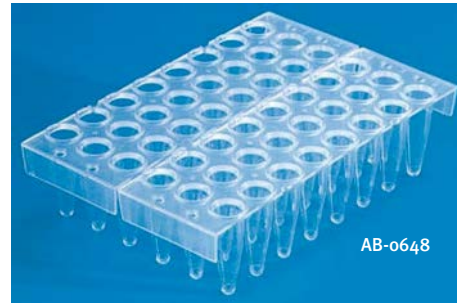
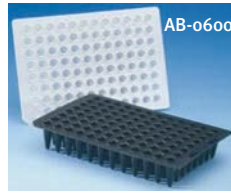
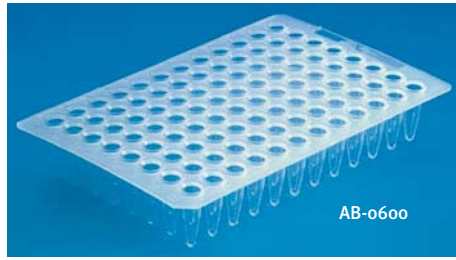
Abgene series	Units/box	Natural	Natural mark.*	Price/box	White	White mark.*	Black	Price/box	Yellow	Red	Violet	Green	Blue	Price/box
Thermo-Fast 96-well plate														
AB-0600	25	016015	017351	N/A -	016179	-	-	N/A -	016181	016182	016183	016184	016185	N/A -
Thermo-Fast 48-well plate														
AB-0648	50	016187	-	N/A -	-	-	-	-	-	-	-	-	-	-
Thermo-Fast 24-well plate														
AB-0624	50	016021	-	N/A -	-	-	-	-	-	-	-	-	-	-
Low Profile 96-well plate														
AB-0700	25	016204	-	N/A -	016206	017941	-	N/A -	016208	016209	016210	016211	016212	N/A -
Low Profile 96-well skirted plate														
AB-0800 / AB-0800-L	25	016214	016680	N/A -	016215	016681	016216	N/A -	016217	016218	016219	016220	016221	N/A -
	25	-	-	-	-	-	-	-	-	017953*	017952*	017951*	017950*	N/A -
SuperPlate 96-well PCR plate, Low Profile, Skirted														
AB-2800	25	-	017219	N/A -	-	017220	-	N/A -	-	-	-	-	-	-
96-Well Semi-skirted plate, Divisible														
AB-0900	25	016223	-	N/A -	016224	-	-	N/A -	016226	016227	016228	016229	016230	N/A -
96-well rigid semi-skirted plate														
AB-0990	25	016232	-	N/A -	-	-	-	-	-	-	-	-	-	-
Low Profile 96-well skirted plate for robotics														
AB-1300	50	016547	-	N/A -	-	-	-	-	-	-	-	-	-	-
Detection semi-skirted 96 well plate for ABI														
AB-1100	25	016314	-	N/A -	-	-	-	-	-	-	-	-	-	-
Mark II 96-well semi-skirted detection plate														
AB-1400 / AB-1400-L	25	016657	016682	N/A -	016659	016683	016660	N/A -	-	017946*	017944*	-	017942*	N/A -
Mark II SuperPlate 96-well semi-skirted plate														
AB-2400	25	-	017232	N/A -	-	017233	-	N/A -	-	-	-	-	-	-
Low profile skirted 96 well PCR plate														
BC-0800	25	-	017795	N/A -	-	017796	-	N/A -	-	-	-	-	-	-

* Black alphanumeric marking



AB-0600

AB-0700 Low Profile

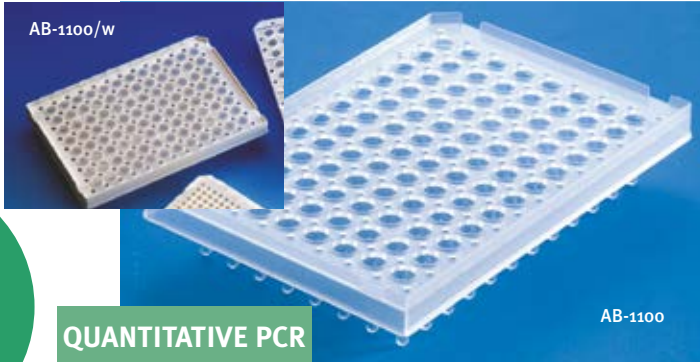


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For adhesives: see page 240
For heat seal closure: see page 402

96-well PCR Detection Plates for ABI (AB-1100 series)

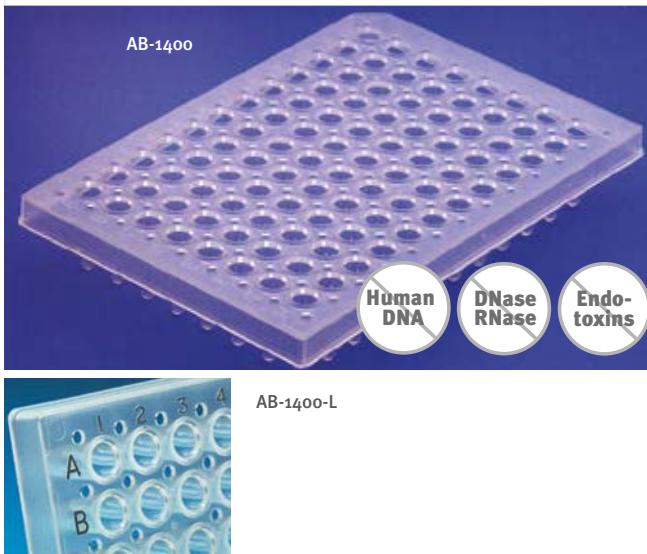


- ▶ For direct use in ABI 96-well sequencers without adapters and in all ABI PCR and qPCR instruments
- ▶ The white plate is suitable for quantitative PCR
- ▶ Reinforced half-skirt for a better grip by robots
- ▶ Made of virgin polypropylene
- ▶ Thin wall
- ▶ Identification cut corner
- ▶ Alphanumeric marking



Cat. No.	Description	Units/box	Price/box
016314	Standard 96-well PCR plate, natural	25	N/A -

96 Detection Mark II PCR Plates for ABI (AB-1400 series)



Same properties as the AB-1100 96-well PCR plate, but with a tray (without a rim protruding from the tray). Compatible with all ABI instruments (2700, 9600, 9700 thermal cyclers, TaqMan 5700, 7000, 7300, 7500, 7700, 7900 quantitative PCR; ABIPRISM 310, 3100, 3700, 3730 sequencers)

- ▶ Made of virgin polypropylene
- ▶ Reinforced half-skirt for improved rigidity and robotic handling
- ▶ Alphanumeric marking available in black
- ▶ Flange around each well to eliminate the risk of cross-contamination and allow for different sealing methods
- ▶ Available with barcode for use on the ABI 3730 sequencer and ABI 7900 QPCR thermal cyclers

Description	Natural	White	Black
Moulded marking plate	016657	016659	016660
Price/ 25 units	N/A -	N/A -	N/A -
Plate, black printed marking	016682	016683	-
Price/ 25 units	N/A -	N/A -	-

Versiplates 96-well flexible PCR plates



- ▶ 12 strips connected in one plate, to be used with or without the frame
- ▶ Plate can be used in its entirety or as a detachable strip
- ▶ Patented, low profile PCR microtubes
- ▶ Natural or transparent
- ▶ Seals with heat seal adhesives or films, and with Thermo cap strips
- ▶ 3 types of caps: domed, flat or for QPCR

Versicap Mat	Domed caps	Flat caps	QPCR plugs
Cat. No.	017860	017862	017864
Price/ 25 units	N/A -	N/A -	N/A -
Cat. No.	017861	017863	017865
Price/ 100 units	N/A -	N/A -	N/A -

Cat. No.	Description	Units/box	Price/box
017866	Versiplate 96-well PCR plate	25	N/A -
017858	Versiplate White 96-well PCR plate	25	N/A -
017859	Versiframe 96-well skirted frame	25	N/A -

SuperPlate ABgene® 96-well PCR Plates

- > 4 times more rigid than a standard PCR plate
- > Eliminates distortion and post-PCR robotic handling problems
- > Black alphanumeric marking for easy pipetting (except for AB-2100 series)
- > Flange around each well for easy sealing
- > Ideal in combination with the Absolute blue QPCR
- > Available in white for qPCR
- > Virgin polypropylene
- > Extremely thin wall



SuperPlate 96-well semi-skirted PCR plates for ABI (AB-2100 and AB-2400 series)

Compatible with all ABI instruments (PCR, QPCR, sequencers). AB-2400 series without flange to use the cap strips.

Cat. No.	Series	Marking alphanumeric	Edge	Colour	Units/box	Price/box
017232	AB-2400	Yes	No	Natural	25	N/A -
017233	AB-2400	Yes	No	White	25	N/A -

Placas PCR SuperPlate 96-well skirted PCR plates Low profile pour ABI (série AB-2800) - Low Profile, parfaitement robotisables.

Cat. No.	Series	Marking alphanumeric	Colour	Units/box	Price/box
017219	AB-2800	Yes	Natural	25	N/A -
017220	AB-2800	Yes	White	25	N/A -

The SuperPlates (AB-2100; AB-2400 and AB-2800) are also available in blue, green, purple, red or yellow on request.

> SuperPlate PCR Plates Compatibility Table

QPCR device	ABI PRISM® 7000, 7300, 7500, 7700	ABI PRISM® 7900HT	Mj Opticon™ / Opticon 2™	Mj Research Chromo 4™	Techne Quantica®	Eppendorf Mastercycler ep realplex	Bio-Rad iQ™
AB-2100	•	•		•		•	
AB-2400	•	•		•		•	•
AB-2800			•	•	•	•	

384-well PCR plate

Rigid virgin polypropylene plate. For a better seal, it is preferable to use heat-sealable films (EasyPeel, Easy Pierce Strong, see heat-sealing, chapter "Storage - Screening").

2 models:

- conical well plate volume 25 µl capped and 40 µl uncapped;
- Mark II Large Volume Rounded Conical Well Plate (ABgene series AB-0937) volume 40 µl capped and 55 µl uncapped.

Due to its large volume per well, post-PCR applications can be performed directly in this plate without changing the plate.

Cat. No.	Description	Units/box	Price/box
016026	Thermo-Fast 384-well conical PCR plate	50	N/A -
016252	Mark II rounded conical wells	100	N/A -



ABgene® 384-well PCR Plate, universal skirted



- One cut corner only on the top right
- This modified design allows it to fit perfectly into the ABI3730 sequencer
- Compatible with all 384 block thermal cyclers and 384 sequencers
- Available in white for quantitative PCR
- Made of virgin polypropylene



Colour	Natural	Blue	Green	Violet	Yellow	Red	The	Price.	White	The	Price.
Cat. No.	016558	016666	016667	016668	016669	016670	50	N/A -	016672	50	N/A -

Clear Seal film

Cat. No.	Description	Price
016582	Clear Seal Film 3730 (1000 sheet roll)	N/A -

ABgene® Armadillo High performance PCR Plates



PCR plates combining the rigidity of the polycarbonate frame with the thinness of the polypropylene wells.

- For better performance without the plate buckling
- Improved holding with greater plate stability in post PCR
- Optimised well shape for maximum sample recovery
- Flat alpha numeric marking and raised collar
- Thin walls for better heat transfer
- Two formats: 96 or 384 well
- With or without barcode 128 or customised barcode (consult us)
- Also available as white wells for qPCR

Wells	Frame	Transparent	Blue	Green	Orange	Red	Yellow	Units/box	Price/box
384-Well, Transparent	Skirted	017808	017809	017810	017811	017812	017813	50	N/A -
384-Well, white	Skirted	017814	017815	017816	017817	017818	017819	50	N/A -
384-Well, Transparent	Skirted with barcode	017820	017821	017822	017823	017824	017825	50	N/A -
384-Well, white	Skirted with barcode	017826	017827	017828	017829	017830	017831	50	N/A -
96-Well, Transparent	Skirted	017832	017833	017834	017835	017836	017837	25	N/A -
96-Well, white	Skirted	017838	017839	017840	017841	017842	017843	25	N/A -
96-Well, Transparent	Skirted with barcode	017844	017845	017846	017847	017848	017849	25	N/A -
96-Well, white	Skirted with barcode	017850	017851	017852	017853	017854	017855	25	N/A -
96-Well, Transparent	Low-profile half-skirted	017869	017870	017871	017872	017873	017874	25	N/A -
96-Well, white	Low-profile half-skirted	-	017876	017877	017878	017879	017880	25	N/A -
96-Well, Transparent	Low-profile half-skirted with barcode	017881	017882	017883	017884	017885	017886	25	N/A -
96-Well, white	Low-profile half-skirted with barcode	017887	017888	017889	017890	017891	017892	25	N/A -
96-Well, Transparent	Half-skirted	017893	017894	017895	017896	017897	017898	25	N/A -
96-Well, white	Half-skirted	017899	017900	017901	017902	017903	017904	25	N/A -
96-Well, Transparent	Half-skirted with barcode	017905	017906	017907	017908	017909	017910	25	N/A -
96-Well, white	Half-skirted with barcode	017911	017912	017913	017914	017915	017916	25	N/A -

Eppendorf twin.tec® PCR Microplate

PCR plates with virgin polypropylene wells, polycarbonate holder and skirt. The rigidity of polycarbonate makes it easier for robots to handle the plates. Cut panel and alphanumeric reference grid.

- **Twin.tec PCR 96 and 384-well plates**
 - Strong, rigid and torsion-resistant polycarbonate frame
 - Fine polypropylene wells for optimal heat transfer
 - OptiTrack® Matrix: Contrasting edges with alphanumeric marking
 - Reaction volume: 150 µl (low profile) or 250 µl
 - Raised well edges
 - Available in a version that can be divided into 4 segments of 24 wells each
 - Available with white wells for real-time PCR
- **Twin.tec microbiology 96 and 384-well plates**
 - Sterile, individually blister-packed, free of bacterial DNA
 - 96 or 384 wells, with skirt or semi-skirt
- **Twin.tec real-time 96 and 384 well PCR plates**
 - White wells for better reflection
 - Significantly increased signal to noise ratio



	96 wells	96 divisible wells	96 wells	96 divisible wells	96 wells	96 wells	384 wells
Type	Non skirted	Non skirted	Non skirted	Non skirted	Skirted	Semi-skirted	Skirted
Volume	150 µl	150 µl	250 µl	250 µl	150 µl	250 µl	45 µl
Natural	035660	035668	035669	035670	033632	033637	033331
Blue	035663	035679	035677	035678	033633	033638	033332
Green	-	-	-	-	033634	033639	033333
Red	-	-	-	-	033635	033640	033334
Yellow	-	-	-	-	033636	033641	033335
Units/box	20	20	20	20	25	25	25
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

96 and 384 well microbiology plates

Base colours	96 skirted wells	96 half-skirted wells	384 wells
Volume	150 µl	250 µl	45 µl
Natural	035671	035673	035675
Blue	035672	035674	035676
Units/box	10	10	10
Price/box	N/A -	N/A -	N/A -

96 Real Time plates

Base colours	96 wells, non skirted	96-Well semi-skirted	96 skirted wells
Volume	150 µl	250 µl	150 µl
White	035665	035032	035029
Blue	035666	035031	035028
Units/box	20	25	25
Price/box	N/A -	N/A -	N/A -

Forensic DNA version 96 and 384 well plates

Version	PCR 96-well semi-skirted	PCR 96-well skirted	PCR 384-well skirted	qPCR 96-well semi-skirted	qPCR 96-well skirted
Volume	250 µl	150 µl	40 µl	250 µl	150 µl
Natural	933927	933928	933931	933929	933930
Units/box	10	10	10	10	10
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -

LoBind 96-well plates

Cat. No.	Description	Price 25 units
933047	LoBind 96-well plate, semi-skirted, colourless	N/A -
933048	LoBind 96-well skirted plate, colourless	N/A -

Lids - In transparent polystyrene, packed in 5 bags of 16.

Cat. No.	Description	Units/box	Price/box
035719	PCR CLEAN lid for microplates or deepwell	80	N/A -
035720	Sterile lid for microplates or deepwell	80	N/A -

8-Cap strips

Cat. No.	Description	Units/box	Price/box
035633	8-domed cap strip	120	N/A -
035634	8-flat cap strip	120	N/A -

Sealing of PCR and Real Time 96 and 384 well plates

Cat. No.	Description	Price 100 units
033604B	PCR adhesive sheets	N/A -
033832B	Adhesive alu for PCR plates	N/A -
033969	Heat sealing PCR film	N/A -
035713B	Masterclear real-time PCR-Film, self-adhesive	N/A -

96 and 384 well PCR plates

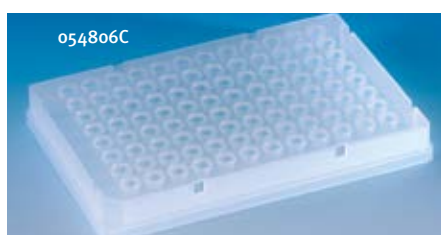


- ▶ High quality translucent polypropylene for PCR
- ▶ Natural
- ▶ Compatible with all brands of thermal cyclers

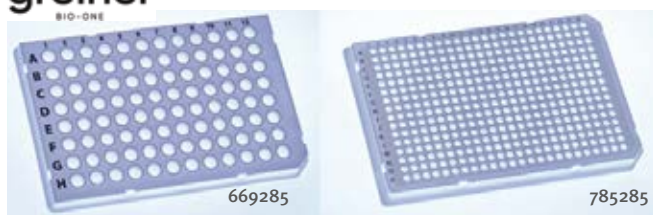


Type	Description	Cat. No.	Units/box	Price/box
96-well PCR plate				
Non skirted	Standard shape, flat surface	054800B	25	N/A -
Skirted	Working volume 200 µl, one orientation slot	054806C	10	N/A -
Semi-skirted, segmented	96 wells, segmented*	054808B	10	N/A -
Skirted for ABI	Raised skirt, special ABI, working volume 300 µl, with notch	054809B	10	N/A -

* To facilitate the cutting of the plate into strips of 24 microtubes



Greiner Bio-One 96 and 384-well PCR microplates for LightCycler 480



96 or 384-well non-sterile white polypropylene plates, SBS format, for real-time PCR systems (LightCycler 480).

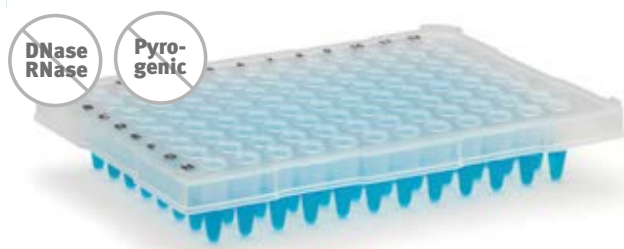
- ▶ Ultra-thin walls, optimal thermal transfer
- ▶ Alphanumeric well coding
- ▶ Sealable with VIEWseal, AMPLIseal and SILVERseal adhesive films
- ▶ Well Volume: 25 µl
- ▶ Skirted for the 384 well
- ▶ Self-skirted for 96 wells

Accessories

Cat. No.	Description	Units/box	Price/box
676070	VIEWseal Highly Transparent Optical Adhesive Film	100	N/A -
676040	AMPLIseal Highly transparent self-adhesive film, low autofluorescence	100	N/A -
676090	SILVERseal Acrylic aluminium adhesive film, impactable	100	N/A -

Cat. No.	Colour	Format	Skirt	Specifications	Units/bag	Units/box	Price/box
669285	White	96	1/2 skirted	LC96 and LC480	25	100	N/A -
785201	Natural	384	Skirted	CFX384, LC96 and LC480	15	60	N/A -
785285	White	384	Skirted	and LC480	25	100	N/A -
785290	Natural	384	Skirted	ABI compatible	15	60	N/A -

96-well semi-skirted PCR plate



- ▶ Made of polypropylene
- ▶ Compatible with most thermal cyclers
- ▶ Uniform thin wall for optimal heat transfer
- ▶ Autoclavable

Cat. No.	Description	Pack unit.	Units/box	Price/box
713161	96-well semi-skirted PCR plate	10	100	N/A -

Labcon 96-well PCR plates

- Made of polypropylene
- Autoclavable (122 °C, 15 min)
- Freezable at -80 °C
- Alphanumeric marking
- Compatible with most thermal cyclers



Cat. No.	Type of plate	Colour	Units/box	Price/box
950640	Plate 0.2 ml Non skirted, flexible	Natural	100	N/A -
950641		Yellow	1000	N/A -
950642		Red	1000	N/A -
950644		Blue	1000	N/A -
950645		Green	1000	N/A -
950646		Assorted	1000	N/A -
950647	0.1 ml skirted plate	Natural	100	N/A -
950648		Yellow	1000	N/A -
950649		Red	1000	N/A -
950650		Violet	1000	N/A -
950651		Blue	1000	N/A -
950652		Green	1000	N/A -
950653		Assorted	1000	N/A -



0.1 ml skirted plate

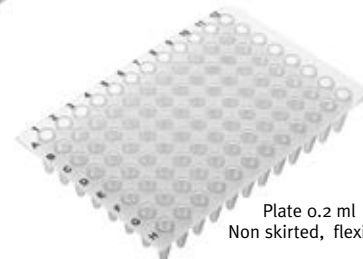


Plate 0.2 ml
Non skirted, flexible

Labcon 384-well PCR plate

- Made of polypropylene
- Autoclavable (122 °C, 15 min)
- Freezable at -80 °C
- Alphanumeric marking

Cat. No.	Description	Units/box	Price/box
950654	25 µl skirted plate	100	N/A -



Labcon 96-well qPCR plates

- Usable in real-time PCR
- Made of polypropylene
- Autoclavable (122 °C, 15 min)
- Freezable at -80 °C
- Alphanumeric marking

Cat. No.	Type of plate	Colour	Units/box	Price/box
950637	0.2 ml non skirted plate	Opaque white	100	N/A -
950636	0.2 ml semi-skirted plate		100	N/A -
950638	0.1 ml skirted plate		100	N/A -

950637



PCR PLATES



Treff 96 and 384 well PCR plates



- ▶ Fully automated production in a clean room class 8 according to ISO 14644-1
- ▶ Made of high purity polypropylene
- ▶ No additives
- ▶ Ultra-thin walls for fast heat transfer
- ▶ Autoclavable

Type of plate	96-Well plates low profile, skirted	96-Well plates standard semi-skirted	96-Well plates low profile semi-skirted	96-Well plates low profile semi-skirted, raised edges	96-Well plates standard non skirted	96-Well plates low profile non skirted	384-Well plates skirted
Units/bag	10	5	5	5	5	5	5
Units/box	50	50	50	50	50	50	50
Natural	982858	982859	982860	982861	982862	982863	034142
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -
White	982864	982865	982866	982867	982868	982869	-
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	-

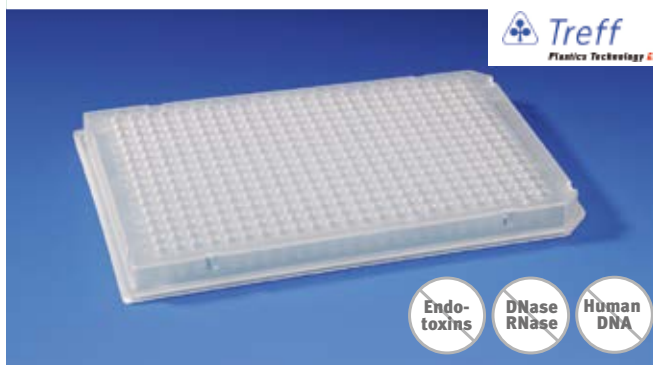
Plates for LightCycler 480

Type of plate	96-Well plates low profile semi-skirted	96-Well plate with sealing film	384-Well plates skirted
Units/bag	5	5	5
Units/box	50	50	50
White	982870	982871	982873
Price/box	N/A -	N/A -	N/A -

Accessories

Cat.No.	Description	Units/box	Price/box
982875	PET optical sealing film for PCR and QPCR plates	100	N/A -

Treff 384-well PCR plates



- ▶ Skirted plates
- ▶ Made of virgin polypropylene
- ▶ Volume: 40 µl, Working volume: 25 µl
- ▶ Thin walls
- ▶ Alphanumeric marking
- ▶ Raised well edges for more effective sealing of adhesive sheets and reduced risk of cross-contamination
- ▶ Compatible with most thermal cyclers
- ▶ Fully automated production in a clean room class 8 according to ISO 14644-1

Cat. No.	Description	Units/box	Price/box
034142	Plaque PCR 384-well skirted PCR plate	50	N/A -

Closing mat for QPCR



QUANTITATIVE PCR

- ▶ With flat optical caps inserted in the plate
- ▶ For use in real-time PCR or storage
- ▶ Robust frosted surface
- ▶ Can be cut into strips of 8 or 12 or individually
- ▶ Holds firmly to the PCR plate



For a good fit, attach the cap starting from the centre of the plate and apply sufficient pressure to each individual cap.

Cat. No.	Description	Units/box	Price/box
038788	Divisible mat for PCR micro96-well Plate	25	N/A -



Labcon 96-well microplate cap mat



- ▶ In silicone
- ▶ Autoclavable (121 °C)

Cat. No.	Description	Units/box	Price/box
950655B	Cap mat for 96-well microplates	50	N/A -

MOLECULAR BIOLOGY

ThermalSeal® RTS™ ClearLine® Film

ClearLine®

- Applications: qPCR, long-term storage, crystallography and HPLC
- Made of 50.8 µm polyofil
- Operating temperature: -80 °C to +105 °C
- For non skirted plates
- Dimensions without tab: 116.2 x 78.3 mm
- With two detachable tabs (except roll film)
- Optically clear, low autofluorescence
- Good chemical resistance
- Silicone adhesive is released only when pressure is applied for a perfect adhesion without interference with the sample



Cat. No..	Description	Units/ box	Price/ box
765246	ThermalSeal Film® RTS™ ClearLine®	100	N/A -
765265	ThermalSeal Film® RTS™ ClearLine® stérile	100	N/A -
765249	ThermalSeal Film® RTS™ ClearLine® in 65 m rolls	1	N/A -

Accessoire

Cat. No.	Description	Price
760233	Applicator	N/A -



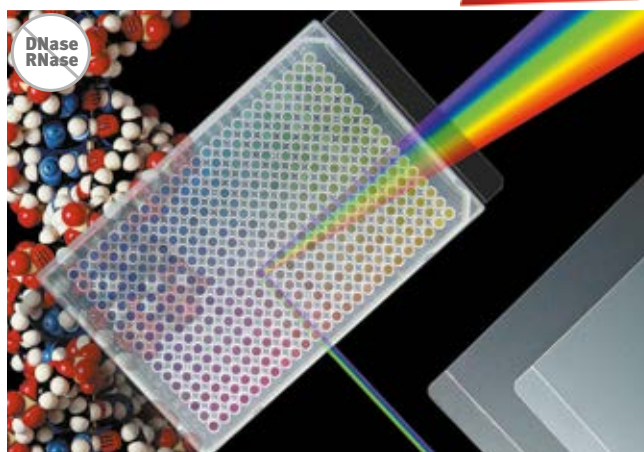
MOLECULAR BIOLOGY

Films ThermalSeal® RT2™ and RT2RR™ ClearLine®

ClearLine®

- Application: qPCR
- Made of 50.8 µm polyester
- Operating temperature: -40 °C to +120 °C
- With two detachable tabs
- Optically clear, low autofluorescence
- High optical quality films with excellent adhesion

Cat. No..	Description	Dimensions (mm)	Units/ box	Price/ box
760236	ThermalSeal® RT2RR™ ClearLine® Film for non-skirted plate	118.1 x 77.8	100	N/A -
760208	ThermalSeal® RT2™ ClearLine® Film for skirted or semi-skirted plate	121.9 x 79.4	100	N/A -



4titude qPCR film

- Application: qPCR
- Operating temperature: -80 °C to +110 °C
- Dimensions: 140 x 77 mm
- With two tabs
- Optically clear, low autofluorescence
- Encapsulated adhesive for sealing only at pressure points

Cat.No.	Description	Units/ box	Price/ box
016540F	Fillm for qPCR	100	N/A -

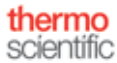


Q-Stick 4titude Film

- Application: qPCR
- Operating temperature: -20 °C to +110 °C
- Dimensions: 133 x 76 mm
- Made of polyester
- Optically clear, low autofluorescence
- For 96-well plate
- Adhesive-free and optically clear area above each well

Cat.No.	Description	Units/ box	Price/ box
044717	Q-Stick film	100	N/A -





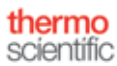
Absolute ABgene® QPCR Film



Ultra-transparent film specially developed for quantitative PCR applications.

- ▶ **Optically clear for qPCR or fluorescence applications**
- ▶ **Operating range from -80 °C to +120 °C**
- ▶ **Perfectly sealed to prevent evaporation of samples during thermal cycling or storage phases**
- ▶ **Pressure sensitive adhesive film, for use with an applicator**

Cat. No.	Description	Units/box	Price/box
016540	QPCR Absolute Adhesive film	50	N/A -
016925	Applicator for film	1	N/A -
016629	QPCR Absolute Adhesive film + Applicator	50 + 1	N/A -



Nunc adhesive films for qPCR

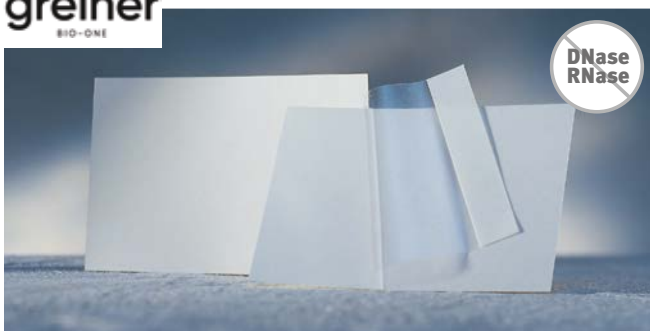


- ▶ **In polyolefin**
- ▶ **Transparent adhesive films**
- ▶ **Operating temperature: -70 °C to +100 °C**
- ▶ **Non-sterile**

Cat.No.	Applications	Drillable	Units/box	Price/box
044717	Q-Stick Films	No	100	N/A -
056111	qPCR	No	100	N/A -



Sealing films for PCR / qPCR / storage / cultures Greiner Bio-One



- ▶ **Acrylic or silicone adhesive sealing**
- ▶ **Single use**
- ▶ **Avoid evaporation and cross-contamination**
- ▶ **Suitable dimensions for microplates**
- ▶ **Silicone adhesive system reacts to pressure: does not stick to gloves / ideal for powder storage**
- ▶ **BREATHseal films for culture: optimum gas exchange**
- ▶ **Non-sterile (except Cat. No. 676051)**

Cat. No.	Name	Applications	Temperature range	Adhesive	Specifications	Units/box	Price/box
676001	EASY Seal	Storage, scanning	-40 / +120 °C	Acrylic	Transparent	100	N/A -
676090*	SILVERseal	PCR, storage	-80 / +110 °C	Acrylic	Perforable aluminium film	100	N/A -
676070*	VIEWseal	Powder storage, PCR, optical reading	-70 / +100 °C	Silicone	Ultra-transparent	100	N/A -
676040*	AMPLIseal	PCR, qPCR,	-80 / +110 °C	Acrylic	Ultra-transparent, low autofluorescence	100	N/A -
676050	BREATHseal	Aerobic cultivation	-	Acrylic	Gas permeable, perforatable	50	N/A -
676051	BREATHseal	Aerobic cultivation	-	Acrylic	Gas permeable, perforable, sterile	50	N/A -

* free of DNase, RNase, human DNA and pyrogen-free.



eXTReme™ Seal ClearLine® Films



- ▶ **Applications: PCR**
- ▶ **Made of 50.8 µm polyester**
- ▶ **Operating temperature: -20 °C to 120 °C**
- ▶ **With two detachable tabs**
- ▶ **Transparent**
- ▶ **Strong adhesive to minimise evaporation**
- ▶ **Do not leave residues**

Cat.No.	Description	Dim. (mm)	Units/box	Price/box
765267	eXTReme™ Seal ClearLine® Film for non-skirted plate	118.1 x 78.3	100	N/A -
765276	eXTReme™ Seal Large ClearLine® Film for semi-skirted and skirted plate	121.9 x 81.5	100	N/A -

Films ThermalSeal® A™ et ThermalSeal® 2™ ClearLine®

ClearLine®

- Applications: PCR
- Made of 50.8 µm polyester
- Operating temperature: -40 °C to 120 °C
- With two detachable tabs
- Transparent
- Strong adhesive to minimise evaporation

Cat.No.	Description	Dim. (mm)	Units/box	Price/box
760229	ThermalSeal® A™ ClearLine® Film for non-skirted plate	118.1 x 78.3	100	N/A -
765264	ThermalSeal® 2™ ClearLine® for skirted or semi-skirted plate	125.1 x 79.4	100	N/A -



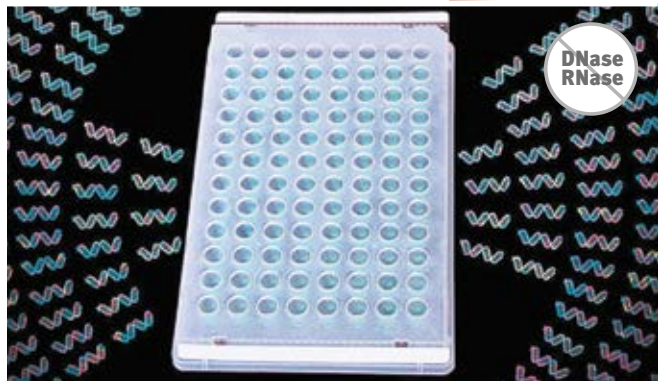
MOLECULAR BIOLOGY

ThermalSeal® ClearLine® Film

ClearLine®

- Applications: PCR
- Made of 50.8 µm polypropylene
- Operating temperature: -40 °C to 120 °C
- For rigid polypropylene plates
- Dimensions without tab: 123.1 x 79.4 mm
- With two detachable tabs
- Transparent
- Easy to remove

Cat.No.	Description	Units/box	Price/box
760206	ThermalSeal® ClearLine® Film	100	N/A -
760207	ThermalSeal® ClearLine® sterile Film	100	N/A -

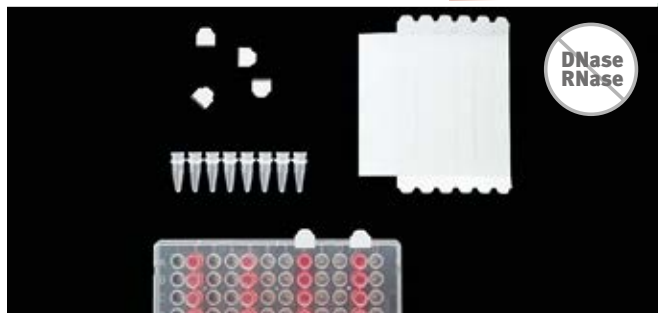


EZcap™ Film 1 x 8 PCR FilmStrips™ ClearLine®

ClearLine®

- Applications: PCR
- Made of 50.8 µm polypropylene
- Operating temperature: -20 °C to 120 °C
- For 8-tube strips and plates
- Dimensions without tab: 73.3 x 10.1 mm
- With two detachable tabs
- Transparent

Cat.No.	Description	Units/box	Price/box
765269	EZcap™ film 1 x 8 PCR FilmStrips™ ClearLine®	400	N/A -

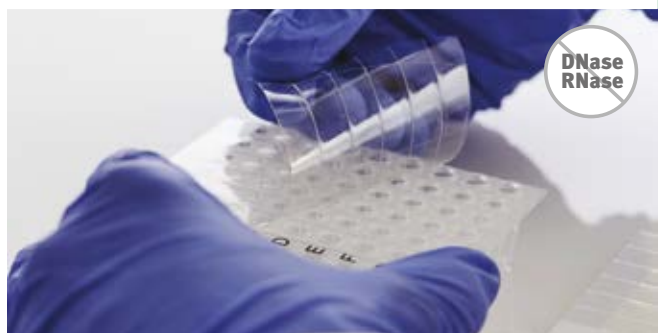


4titude PCR films

4titude®

- Application: qPCR and PCR
- Operating temperature: -20 °C to 110 °C
- With two tabs
- Transparent
- Strong adhesive to minimise evaporation

Cat.No.	Description	Dim. (mm)	Units/box	Price/box
016028F	Film for 96-well plate	135 x 80	100	N/A -
448025	Pre-cut film for 8 wells	115 x 100	100	N/A -
448026	Pre-cut film for 12 wells	137 x 71	100	N/A -



Film for plates



Ideal for polycarbonate plates

Very high performance adhesive film, specially designed for plates (including PCR) of all brands.

- ▶ Very low evaporation
- ▶ Polyethylene (-15 °C to +70 °C)
- ▶ Drillable with a tip or pipette
- ▶ L x W (mm): 117 x 78

Cat. No.	Description	Price 100 units
106524	Polyethylene film 117 x 78 mm	N/A -

Film for PCR



A film specifically designed for PCR plates, where minimising evaporation is critical.

- ▶ Polyethylene (-40 °C to +95 °C)
- ▶ Resistant to DMSO

Cat. No.	Type	Sterile	Presentation	Units/box	Price/box
039356	Plastic	No	Sheets	100	N/A -
039293	Plastic	Yes	Sheets	100	N/A -

thermo scientific

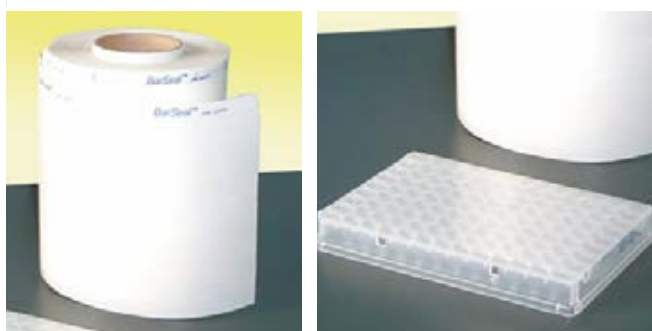
Nunc adhesive films for qPCR and PCR



- ▶ In polyolefin
- ▶ Transparent adhesive films
- ▶ Operating temperature: -70 °C to +100 °C
- ▶ Non-sterile

Cat.No.	Applications	Drillable	Units/box	Price/box
056107	PCR	No	100	N/A -
056108	PCR	Yes	100	N/A -

PCR adhesive pre-cut film on roll



Adhesive film on roll for PCR plate.

- ▶ With positioning tab
- ▶ Made of polypropylene
- ▶ Pre-cut films
- ▶ In rolls of 500 films
- ▶ Each roll is delivered in a cardboard dispenser box
- ▶ Conditions of use for the film application: +18 °C à +24 °C
- ▶ Temperature resistant from -20 °C to +100 °C

Cat. No.	Description	Price/roll
015900	Film Seal Tape in rolls of 500 films	N/A -

ClearLine

AlumaSeal® II™ ClearLine® Film



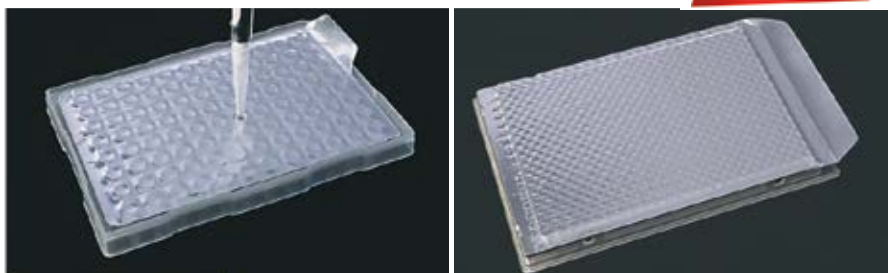
- ▶ Applications: PCR, long-term storage
- ▶ 38.1 µm aluminium
- ▶ Operating temperature: -80 °C to +120 °C
- ▶ Universal
- ▶ Dimensions without tab: 125.4 x 82.6 mm
- ▶ With two detachable tabs (except roll film)
- ▶ Good chemical resistance
- ▶ Pierceable, opaque
- ▶ Does not withdraw into itself
- ▶ Reusable and autoclavable applicator for flangeless plate sealing

Cat. No.	Description	Units/box	Price/box
760212	Film AlumaSeal® II™ ClearLine®	100	N/A -
760213	Film AlumaSeal® II™ ClearLine® sterile	50	N/A -
765248	Film AlumaSeal® II™ ClearLine™ in rolls of 100 m	1	N/A -

AlumaSeal® 96 et AlumaSeal® 384 ClearLine® Films

ClearLine®

- Applications: PCR, long-term storage
- 38.1 µm aluminium
- Operating temperature: -80 °C to +120 °C
- With a tab
- Drillable
- Opaque
- Reinforced sealing for 96-well plates



Cat. No.	Description	Dimensions (mm)	Units/box	Price/box
760231	AlumaSeal® 96 ClearLine® Film for non-skirted 96 plate	117.5 x 77.8	100	N/A -
760232	AlumaSeal® 384 ClearLine® Film for 384-well or deep-well plate	123.8 x 82.6	100	N/A -



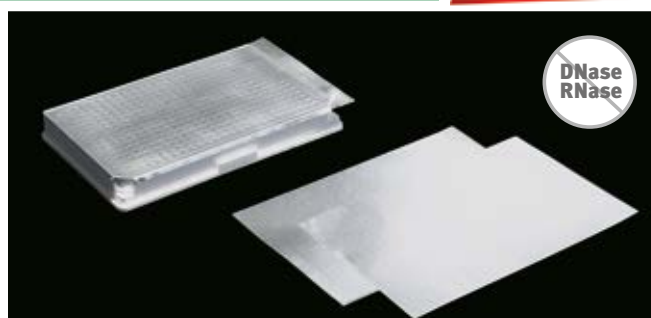
MOLECULAR BIOLOGY

Alumaseal® CS™ Adhesive film for freezing

ClearLine®

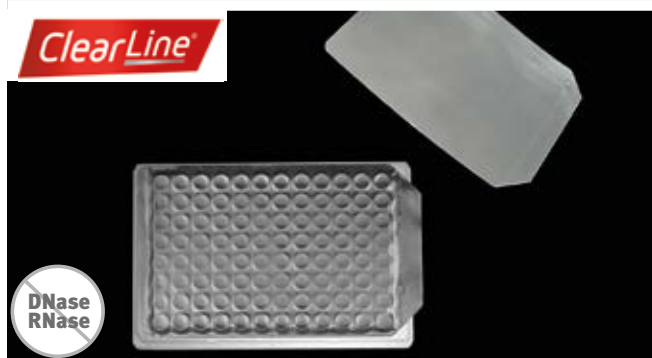
- For cold storage of microplates
- Dimensions: 81.5 x 132.6 mm
- Length without tabs: 123.04 mm
- Resistant to -80 °C

Cat. No.	Description	Units/bag	Units/box	Price/box
760243	Film Alumaseal® CS™	100	100	N/A -
760244	Film Alumaseal® CS™ sterile	25	50	N/A -



FoilSeal™ ClearLine® Film

ClearLine®



- Applications: PCR
- 50.8 µm aluminium
- Operating temperature: -20 °C to 120 °C
- Universal
- Dimensions without tab: 118.1 x 78.3 mm
- With a detachable tab
- Drillable
- Opaque

Cat. No.	Description	Units/box	Price/box
765282	Film FoilSeal™ ClearLine®	100	N/A -
765281	Film FoilSeal™ ClearLine® sterile	50	N/A -

EZcap™ Film 1 x 8 PCR FoilSeal™ ClearLine®

ClearLine®



- Applications: PCR
- 50.8 µm aluminium
- Operating temperature: -20 °C to 120 °C
- For 8-tube strips and plates
- Dimensions without tab: 81.2 x 10.1 mm
- With two detachable tabs
- Drillable
- Opaque

Cat. No.	Description	Units/box	Price/box
765268	EZcap™ Film 1 x 8 PCR FoilSeal™ ClearLine®	300	N/A -



eXTReme™ FoilSeal™ ClearLine® Film for PCR

ClearLine®

- Universal aluminium waterproof film
- Thickness: 50 µm
- Dimensions: 78.3 x 135.9 mm
- Length without tabs: 117.1 mm
- Excellent chemical resistance (including DMSO)
- Temperature: -20 °C to +120 °C
- For PCR, long term storage, light sensitive experiments and robotic applications
- Drillable with pipette tips and robotic tips
- Removes without leaving a residue
- Single film with one detachable tab, roll film with two detachable placing tabs (width 10 mm)



Cat. No.	Description	Dimensions (mm)	Units/box	Price/box
765266	eXTReme™ FoilSeal™ Film for PCR	78.3 X 129	100	N/A -
765270	eXTReme™ FoilSeal™ Film roll for PCR	78.3 X 139	500	N/A -



4titude Aluminium film



- > Applications: PCR and storage
- > In aluminium
- > Operating temperature: -40 °C to 120 °C
- > Dimensions: 130 x 80 mm
- > With two tabs
- > Drillable
- > Opaque



Cat.No.	Description	Units/box	Price/box
016125F	4titude Aluminium film	100	N/A -



4titude Aluminium film with high solvent resistance

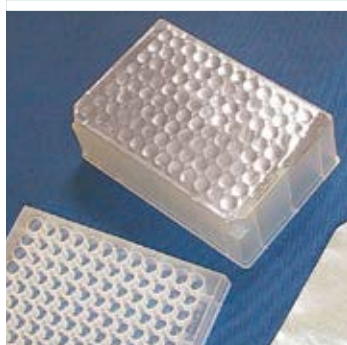


- > Applications: PCR and storage
- > In aluminium
- > Operating temperature: -20 °C to 80 °C
- > Dimensions: 122 x 80 mm
- > With two tabs
- > Excellent chemical resistance (including DMSO)



Cat.No.	Description	Units/box	Price/box
044766	Aluminium film with high solvent resistance	100	N/A -

Aluminium film for all plates



High performance universal aluminium adhesive film for all standard microplates, PCR plates and storage plates.

- > Very low evaporation
- > Drillable with a tip or pipette
- > 120 x 80 mm (131 x 81.3 mm with tab)
- > Temperature range -30 °C to +150 °C



Cat. No.	Description	Units/box	Price/box
106570B	Aluminium adhesive film 131 x 81.3 mm	100	N/A -

Nunc aluminium film

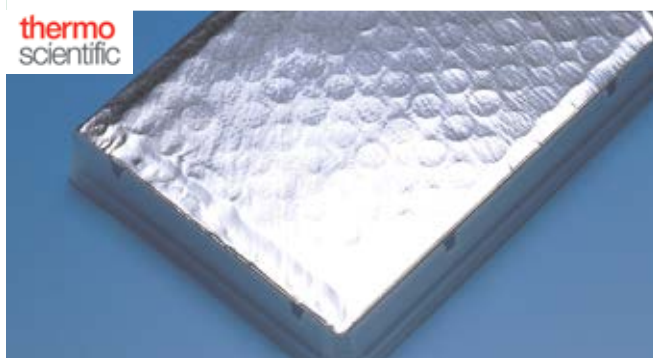


- > Aluminium adhesive films
- > Non-sterile
- > Drillable



Cat.No.	Description	Température d'utilisation	Units/box	Price/box
056320	Adhesive Film for 96-well plate	-80 °C to +150 °C	100	N/A -
056321	Adhesive Film for 384-well plate	-80 °C to +150 °C	100	N/A -
056112	Universal adhesive film	-80 °C to +120 °C	100	N/A -

ABgene® Adhesive films for PCR plates



- > Clear plastic with strong adhesion: peelable by hand
- > Aluminium: peelable or pierceable and non-cutting
- > High quality performance minimising any risk of evaporation (especially for low volume PCR)
- > Edge tabs for easy removal
- > Températures d'utilisation: -20 °C to +120 °C for plastic, and -40 °C to +120 °C for aluminium

Cat. No.	Description	Units/box	Price/box
016028	Transparent PCR film with high adhesion	100	N/A -
016125	PCR aluminium film 130 x 80 mm	100	N/A -
016925	Film Applicator	1	N/A -

SecureSeal aluminium film for PCR plate



- > Operating temperature: -80 °C to +120 °C
- > Can be pierced with a pipette tip



Cat. No.	Description	Units/box	Price/box
039367	Non-sterile aluminium Film	100	N/A -

