genetix
Biotech Asia Pvt. Ltd.

CAT#	Product Description	Size	Price(Rs.)

Founded in Göttingen, Germany in 1985, Biometra develops, manufactures and markets innovative products for molecular biology and biochemistry laboratories. Core technologies include the development and production of Peltier driven Thermocyclers and advanced Electrophoresis Instruments.

Tpersonal

- Fast ramping rates thanks modern Peltier technology
- Small footprint and high sample capacity
- Three different block formats

High speed thermocycling
Using the latest in Peltier technology the Tpersonal achieves excellent heating and cooling rates.

Flexibility
Three different Tpersonal versions are available.
-The Tpersonal 48 holds 48 x 0.2ml tubes, strips or 48 well microplates.
-The 20 well version is designed for 0.5 ml tubes.
-Combi block provides the maximum flexibility, which can hold both 0.2 and 0.5ml tubes.

Fits on any bench
The Tpersonal is a highly integrated thermocycler. With a footprint of only 22 x 31cm it occupies minimum bench space.

- Higher speed thanks to latest Peltier Technology.
- Better programming due to completely revised software.
- Bigger memory with program storage in individual subdirectories.

New Technology for a proven concept
The T3000 Thermocycler represents the technological advancement of one of the most successful thermocyclers in Biometras history. Following the approved triple block concept, the new T3000 has been equipped with the latest in Peltier Technology to achieve excellent heating and cooling rates. Also the software has been completely revised for improved user friendliness.

T3000

CAT#	Product Description	Size	Price(Rs.)
Thermocycler - systems			
050-550	Tpersonal 20 for 20 tubes (0.5 ml)		POR
050-551	Tpersonal 48 for 48 tubes (0.2 ml)		POR
050-552	Tpersonal Combi for 18 x 0.5 ml or 48 x 0.2 ml tubes		POR
050-900	T1 Thermocycler 48 for 48 tubes (0.5 ml)		POR
050-901	T1 Thermocycler 96 for 96 tubes (0.2 ml) or 96 well microplates		POR
050-902	T1 Thermocycler 384 for 384 well microplates		POR
050-903	T1 Thermocycler in situ for 4 microscope slides		POR
050-904	T1 Thermocycler Combi for 38 x 0.5ml or 96 x 0.2 ml tubes		POR
050-920	T1 plus Thermocycler 48 for PC control (48 x 0.5 ml)		POR
050-921	T1 plus Thermocycler 96 for PC control (96 x 0.2 ml or 96 well microplates)		POR
050-922	T1 plus Thermocycler 384 for PC control (384 well microplates)		POR
050-923	T1 plus Thermocycler in situ for PC control (4 microscope slides)		POR
050-924	T1 plus Thermocycler Combi for PC control (38 x 0.5 ml or 96 x 0.2 ml tubes)		POR

TGRADIENT

With the TGradient annealing temperatures of new primers can be optimized in a single run. Due to a temperature gradient across the block during the annealing step, each row represents an individual temperature. Thus 12 different temperatures can be tested in a single run. After the program is completed and samples have been analyzed in a gel, according annealing temperatures can be retrieved from the instruments gradient calculator.

CAT#	Product Description	Size	Price(Rs.)
050-800	TGradient Thermocycler 48 for 48 tubes (0.5 ml)		POR
050-801	TGradient Thermocycler 96 for 96 tubes (0.2 ml) or 96 well microplates		POR
050-802	TGradient 384 for 384 well microplates (non-gradient)		POR
050-803	TGradient in situ for 4 microscope slides (non-gradient)		POR
050-720	T3000 Thermocycler 20 for 3 x 20 tubes (0.5 ml)		POR
050-723	T3000 Thermocycler 48 for 3 x 48 tubes (0.2 ml)		POR
050-724	T3000 Combi for 0.5 ml tubes (3 x 18) or 0.2 ml tubes (3 x 48)		POR

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CAT#	Product Description	Size	Price(Rs.)
	Specially designed for integration in robotic environments		
	● **Motorized heated lid**		
	● **Unique: Motorized plated lifter**		
	● **Small footprint, external controller**		
	● **Automization of thermocycling**		
	● **Software integration**		

TROBOT

CAT#	Product Description	Size	Price(Rs.)
050-991	TRobot 96 Thermocycler		POR
050-992	TRobot 384 Thermocycler		POR

Tprofessional

The TProfessional Thermocycler is inspired by the wish to simplify molecular biology research. It combines high speed cycling with ultimate ease of programming.

· **High Speed Silver block**
· **Large graphical display**
· **Quick block exchange**

The TProfessional User Interface incorporates Biometra's proven spreadsheet programming philosophy. Avoiding endless serial program windows, all steps of a program are entered in a single screen. This makes the creation of new or editing existing programs fast and easy. One touch leads from the spreadsheet to an alternative graphical programming mode. The TProfessional manages up to 30 individual users (optionally password protected) and features larger memory for increased program capacity.

The TProfessional offers five different block modules that can be exchanged in less than 10 seconds. The 96 well and 60 well modules are available with gradient option for quick optimization of new protocols.

To achieve ultimate performance the 96 well and 60 well modules are made of silver. Due to its excellent heat conductivity silver equilibrates extremely quickly, thus providing maximum speed and temperature uniformity. To protect the valuable silver blocks against corrosion, the block surfaces are covered with a thin gold layer.

CAT#	Product Description	Size	Price(Rs.)
070-801	Tprofessional Gradient for 96 tubes (0.2 ml), strips or 96 well microplates		POR
070-901	Tprofessional 96 for 96 tubes (0.2 ml), strips or 96 well microplates		POR
070-902	TProfessional 384 for 384 well microplates item will be discontinued after stock is sold out		POR

Thermocycler - modules (Accessories)

CAT#	Product Description	Size	Price(Rs.)
050-910	T1 module 48 for 48 tubes (0.5 ml)		POR
050-911	T1 module 96 for 96 tubes (0.2 ml) or 96 well microplates		POR
050-912	T1 module 384 for 384 well microplates		POR
050-913	T1 module in situ for 4 microscope slides		POR
050-914	T1 module Combi for 40 x 0.5 ml or 96 x 0.2 ml tubes		POR
050-810	TGradient module 48 for 48 tubes (0.5 ml)		POR
050-811	TGradient module 96 for 96 tubes (0.2 ml) or 96 well microplates		POR
050-812	TGradient module 384 for 384 well microplates (non gradient)		POR
050-813	TGradient module in situ for 4 microscope slides (non gradient)		POR
070-811	TProfessional module Gradient for 96 tubes (0.2 ml), strips or 96 well microplates		POR
070-911	TProfessional module 96 for 96 tubes (0.2 ml), strips or 96 well microplates		POR
070-912	TProfessional module 384 for 384 well microplates Thermocycler - Accessories		POR

Software
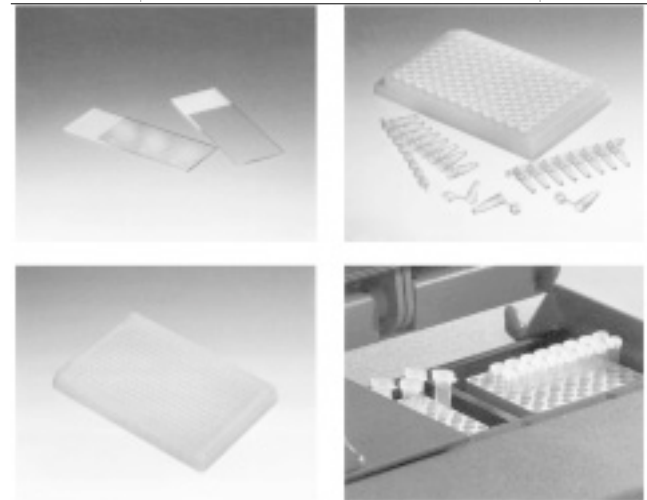
CAT#	Product Description	Size	Price(Rs.)
050-930	Upgrade from T1 to T1 plus		POR
050-821	Serial cable to connect Tgradient / T1 to a PC (9/25pole-9/25-pole SubD)		2,802
050-822	PCI serial interface card (4 Ports), for connenting 4 thermocyclers to a PC		29,592
050-823	PCI serial interface card (8 Ports), for connecting 4 thermocyclers to a PC		42,675

Thermocycler calibration

CAT#	Product Description	Size	Price(Rs.)
050-410	Portable system for temperature check and calibration of thermocyclers (PTMD)		POR
050-411	sensor for 0.5 ml wells (PTMD)		41,740
050-412	sensor for 0.2 ml wells (PTMD)		41,740

Reaction tubes

CAT#	Product Description	Size	Price(Rs.)
050-310	0.2 ml tubes, 1.000 pcs./pckg., transparent, with caps		9,033
050-320	0.5 ml tubes, 1.000 pcs./pckg., transparent, with caps		6,074

Instrumentation

2008-09

CAT#	Product Description	Size	Price(Rs.)
050-214	250 strips with 8 tubes and 8 caps (0.2 ml), transparent		35,822

Microplates

CAT#	Product Description	Size	Price(Rs.)
050-225	48 well microplate, 50 pcs./pckg.		15,263
050-213	96 well microplate Polypropylene, skirtless , 25 pcs.		14,485
050-232	96 well microplate Polypropylene with skirt, 25 pcs.		13,394

Recommended Standard

CAT#	Product Description	Size	Price(Rs.)
050-231	384 well microplate HSQ, 50 pcs./pckg.		56,380
050-240	384 well microplate Polypropylene, 50 pcs./pckg.		47,970
050-194	96 well Aluminum plate for temperature equilibration of microplates		13,394
050-694	384 well Aluminum plate for temperature equilibration of microplates		31,928

Microplate sealing

CAT#	Product Description	Size	Price(Rs.)
050-219	300 strips with 8 caps, for 48-well microplates		9,968
050-237	Silicone mat, 50 pcs./pckg.		18,223
050-250	Adhesive sealing film		15,107
050-251	Nop mat 96 wells, 20 pcs.		12,148
050-252	Nop mat 384 wells, 20 pcs.		18,067

Biometra offers a comprehensive range of instrumentation for gel electrophoresis.

"**Separation of proteins**" contains numerous instruments for Polyacrylamide Gel Electrophoresis (PAGE) and related techniques.

For "**Separation of DNA and RNA**" biometra offers various systems for agarose gel electrophoresis.

Fast and convenient mutation analysis is achieved with Temperature Gradient Gel Electrophoresis (**TGGE**). Biometra is the exclusive licensee for TGGE instrumentation.

In addition to agarose gel separation of nucleic acids biometra provides different systems for manual **Sequencing**.

Suitable **Power Supplies** are available for all electrophoresis chambers or blot apparatus.

For the **Blotting** applications biometra offers various instruments for blot transfer of nucleic acids and proteins.

CAT#	Product Description	Size	Price(Rs.)

ELECTROPHORESIS
Polyacrylamide Gel Electrophoresis (Vertical System) Minigel and Minigel-Twin - systems

CAT#	Product Description	Size	Price(Rs.)
010-000	Minigel, complete system with 1 set of glass plates with fixed 1.0 mm spacers, 1 comb (10 wells), 1 set of clips (3 pcs), 1 silicone rubber seal and manual; gel size: 8.6x7.7 cm		39,930
010-040	Minigel, complete system with 1 set of glass plates with fixed 0.6 mm spacers, 1 comb (10 wells), 1 set of clips (3 pcs), 1 silicone rubber seal and manual; gel size: 8.6x7.7 cm		39,930
010-030	Minigel, without accessories; buffer chamber, safety lid and manual		34,422
010-100	Minigel-Twin, complete system with 2 sets of glass plates with fixed 1.0 mm spacers, 2 combs (10 wells), 2 sets of clips, 2 silicone rubber seals and manual		46,814
010-140	Minigel-Twin, complete system with 2 sets of glass plates with fixed 0.6 mm spacers, 2 combs (10 wells), 2 sets of clips, 2 silicone rubber seals and manual		49,568
010-130	Minigel-Twin, without accessories; buffer chamber, safety lid and manual		37,177

Accessories - Glass Plates

CAT#	Product Description	Size	Price(Rs.)
010-001	Glass plate with fixed spacers, 1.0 mm		2,803
010-002	Glass plate with fixed spacers, 0.6 mm		2,803
010-003	Notched glass plate with straight edge		2,803
010-004	Notched glass plate with inclined edge		2,803
010-005	Silicone rubber seal, 1.0 mm		935
010-006	Silicone rubber seal, 0.6 mm		935
010-025	Grey seal to be attached to the main chamber (2 pieces)		935
010-007	Clips, 3 pieces		935

Combs, 1.0 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-010	5 wells (70 µl)		3,271
010-011	10 wells (25 µl)		3,271
010-023	10 wells, for big volumes and high protein concentrations (60 µl)		3,271
014-017	16 wells (20 µl)		5,139
010-012	20 wells (15 µl)		3,271
014-019	28 wells (8 µl)		5,139
010-008	preparative, without marker lane (400 µl)		3,271
014-023	preparative, without marker lane (450 µl)		5,139
010-022	preparative, with marker lane (30 & 380 µl)		3,271
010-009	preparative, with 2 marker lanes (2 x 25 and 350 µl)		3,271

Combs, 0.6 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-015	5 wells (40 µl)		3,271
010-016	10 wells (15 µl)		3,271
010-024	10 wells, for big volumes and high protein concentrations (35 µl)		3,271
014-018	16 wells (10 µl)		3,271
010-020	20 wells (9 µl)		3,271

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CAT#	Product Description	Size	Price(Rs.)
010-013	preparative, without marker lane (240 µl)		3,271
010-021	preparative, with 1 marker lane (18 and 230 µl)		3,271
010-014	preparative, with 2 marker lanes (2 x 15 and 210 µl)		3,271
010-017	Cooling plate		11,837
010-018	Minigel Glass Plate Stand (for Minigel/Twin)		12,460
010-032	Gel Casting Stand for up to 5 mini-gels		26,477
010-019	Rotary table for twin-Chambers		23,362
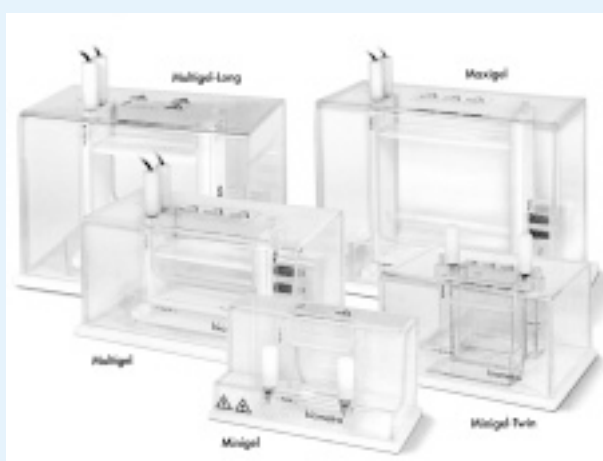
Designed for the separation of analytical and semi-preparative quantities of proteins in vertical 11 x 7 cm polyacrylamide (PAGE) gels

● **Runs 1 or 2 gels simultaneously**
● **Glass plates with fixed spacers**
● **One-piece profiled silicone rubber seal for excellent sealing**
The Minigel family features a special system using fixed spacers and a one-piece profiled silicone rubber seal for rapid, complete sealing without the need for additional sealing materials such as agarose or silicone grease. Protection is provided against the neurotoxin acrylamide using the leak-free Biometra casting system. Multigel represents a system for the gel dimension of 11 x 7cm (W x L). The double-gel design permits rapid separation of up to 48 samples (24 samples per gel). Thanks to the built-in water cooling system the Multigel can be used for native gels as well as for SDS-PAGE gels. Additional Multigel offers microtiter plate compatible / multichannel pipette compatible combs.
The Rotary Table for twin-chambers allows easy application of samples to the gel by turning the whole chamber.

The new **Universal Glass Plate Stand with levelling feet** allows casting of up to 4 gels in the stand.
The **safety lid** which comes with all apparatus is designed to protect the user from electrical hazard.
A complete range of analytical and semi-preparative combs is available for a maximum of flexibility in electrophoresis.

(Minigel-Twin, Mini-V 8 10, Multigel, Multigel-Long, Model V16-2) Multigel - systems

CAT#	Product Description	Size	Price(Rs.)
010-200	Multigel, complete system with 2 sets of glass plates with fixed 1.0 mm spacers, 2 silicone rubber seals, 2 combs (24 wells), 6 clips and manual; gel size: 11x7 cm		POR
010-220	Multigel, complete system with 2 sets of glass plates with fixed 0.6 mm spacers, 2 silicone rubber seals, 2 combs (24 wells), 6 clips and manual; gel size: 11x7 cm		POR
010-230	Multigel, without accessories; buffer chamber, safety lid and manual		53,699

Accessories - Glass Plates

CAT#	Product Description	Size	Price(Rs.)
010-201	Notched glass plate with straight edge		3,114
010-202	Glass plate with fixed spacers, 1.0 mm		3,114
010-205	Silicone rubber seal, 1.0 mm		1,402
010-221	Glass plate with fixed spacers, 0.6 mm		3,271
010-219	Silicone rubber seal, 0.6 mm		1,402
010-209	Grey seal to be attached to the main chamber (2 pieces, short)		622
010-007	Clips, 3 pieces		935

Combs, 1.0 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-207	11 wells (50 µl)		3,582
010-203	12 wells (45 µl)		3,582
010-204	24 wells (18 µl)		4,049
010-208	preparative, with 2 additional marker lanes (2 x 40 and 500 µl)		3,582

Combs, 0.6 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-222	24 wells (14 µl)		4,049

Further Accessories

CAT#	Product Description	Size	Price(Rs.)
010-019	Rotary table for Twin-chambers (Minigel-Twin, Mini-V 8·10, Multigel, Multigel-Long, Model V16-2)		23,362
010-029	Universal glass plate stand with leveling feet, 4 positions for any gel Multigel long - systems		31,149
010-300	Multigel-Long, complete system with 2 sets of glass plates with fixed 1.0 mm spacers, 2 silicone rubber seals, 2 combs (24 wells), 9 clips & manual; gel size: 11x12 cm.		80,988
010-320	Multigel-Long, complete system with 2 sets of glass plates with fixed 0.6 mm spacers, 2 silicone rubber seals, 2 combs (24 wells), 9 clips and manual		82,546
010-330	Multigel-Long, without accessories; buffer chamber, safety lid and manual		63,856

Multigel long - accessories & combs Accessories

CAT#	Product Description	Size	Price(Rs.)
010-301	Notched glass plate with straight edge		4,673
010-321	Glass plate with fixed spacers, 0.6 mm		3,582
010-302	Glass plate with fixed spacers, 1.0 mm		3,271
010-304	Silicone rubber seal, 0.6 mm		1,402
010-303	Silicone rubber seal, 1.0 mm		1,246
010-209	Grey seal to be attached to the main chamber (2 pieces, short)		622
010-329	Grey seal to be attached to the main chamber (2 pieces, long)		622
010-007	Clips, 3 pieces		935

Combs, 1.0 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-207	11 wells (50 µl)		3,582
010-203	12 wells (45 µl)		3,582
010-204	24 wells (18 µl)		4,049
010-208	preparative, with 2 additional marker lanes (2 x 40 and 500 µl) Combs, 0.6 mm (max. volume/well)		3,582

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CAT#	Product Description	Size	Price(Rs.)
010-222	24 wells (14 µl)		4,049

Further Accessories

CAT#	Product Description	Size	Price(Rs.)
010-019	Rotary table for Twin-chambers (Minigel-Twin, Mini-V 8·10, Multigel, Multigel-Long, Model V16-2)		23,362
010-029	Universal glass plate stand with leveling feet, 4 positions for any gel		31,149

Maxigel - systems

CAT#	Product Description	Size	Price(Rs.)
010-400	Maxigel, complete system with 2 sets of glass plates with fixed 1.0 mm spacers, 2 silicone rubber seals, 2 combs (12 wells), 9 clips, 4 Maxi-clips & manual; gel size:17x18 cm.		POR
010-430	Maxigel, complete system with 2 sets of glass plates with fixed 2.0 mm spacers, 2 silicone rubber seals, 2 combs (12 wells), 9 clips, 4 Maxi-clips and manual; gel size: 17x18 cm.		POR
010-440	Maxigel, without accessories; buffer chamber, safety lid and manual		POR

Maxigel - accessories & combs
Accessories

CAT#	Product Description	Size	Price(Rs.)
010-401	Notched glass plate with straight edge		4,673
010-402	Glass plate with fixed 1.0 mm spacers		5,451
010-403	Glass plate with fixed 2.0 mm spacers		5,451
010-007	Clips, 3 pieces		935
010-416	Maxi-clips, 4 pieces		1,713
010-417	Silicone rubber seal, 1.0 mm		1,713
010-418	Silicone rubber seal, 2.0 mm		1,713
010-419	Long grey seal to be attached to the main chamber (2 pieces)		622
010-420	Short grey seal to be attached to the main chamber (2 pieces)		622

Combs, 1.0 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-404	12 wells (140 µl/well)		5,451
010-405	18 wells (90 µl/well)		5,451
010-406	24 wells (50 µl/well)		5,451
014-020	25 wells (40 µl/well)		5,139
014-022	preparative, without marker lane 1800 µl/well		5,139
010-407	preparative, with 2 additional marker lanes (2 x 50 and 1600 µl/well)		5,451

Combs, 2.0 mm (max. volume/well)

CAT#	Product Description	Size	Price(Rs.)
010-408	12 wells (280 µl/well)		5,451
010-409	18 wells (180 µl/well)		5,451
010-410	24 wells (100 µl/well)		5,451
014-021	45 wells (50 µl/well)		5,139
010-411	preparative, with 2 additional marker lanes (2 x 100 and 3200 µl/well)		5,451

Further Accessories

CAT#	Product Description	Size	Price(Rs.)
010-029	Universal glass plate stand with leveling feet, 4 positions for any gel		31,149

CAT#	Product Description	Size	Price(Rs.)

Mini V8 10 - systems

CAT#	Product Description	Size	Price(Rs.)
21078043	Mini-V 8·10 Gel Electrophoresis Apparatus (EU version), complete with buffer tank, safety lid, gel support tray, gel wedge block, 2 pairs of glass plates (2 short glass plates 7.25 x 10.25 cm and 2 long glass plates 8.25 x 10.25 cm), 2 sets of 0.75 mm thick side spacers, 2 x 10 well combs (0.75 mm thick) & manual		POR
21078050	Mini-V 8·10 Gel Electrophoresis System (EU version), complete system with Mini-V 8·10 Gel Electrophoresis Apparatus and Mini-V 8·10 Blot Module Note: The Mini-V8·10 Gel Casting Clamp is sold separately!		POR

Mini V8 10 - accessories, spare parts, spacers & combs
Accessories and Spare Parts:

CAT#	Product Description	Size	Price(Rs.)
21078241	Mini-V 8·10 Gel Casting Clamp (1 / pkg)		5,919
21078233	Mini-V 8·10 Gel Casting Clamp (2 / pkg)		10,902
21078126	Mini-V 8·10 Casting Stand (acrylic casting stand)		35,822
21078035	Glass Plates (mixed pairs, 8.25 x 10.25 cm / 7.25 x 10.25 cm) (10 pairs)		30,993
21078076	Gel Loading Template (4 / pkg)		3,271
11098019	Spring Clips (12 / pkg)		3,427
21105333	Stainless Steel Binder Clips (12 / pkg) Spacer Sets (side spacers):		11,837
11958147	0.75 mm (2 pairs)		1,713
11958154	1.5 mm (2 pairs)		3,582

Combs, 0.75 mm (max. vol./well at an insertion depth of 5 mm)

CAT#	Product Description	Size	Price(Rs.)
11958089	6 wells (40 µl)		2,803
11958113	10 wells (20 µl)		2,803

Combs, 1.5 mm (max. vol./well at an insertion depth of 5 mm)

CAT#	Product Description	Size	Price(Rs.)
11958097	6 wells (80 µl)		2,803
11958121	10 wells (40 µl)		2,803

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CAT#	Product Description	Size	Price(Rs.)
11958063	preparative, with 2 marker lanes (475 µl - volume of the central preparative well)		4,517
11958162	Platinum/Niobium Upper Electrode Replacement Kit Mini-V		6,541
11958261	Lower Electrode Replacement Kit Mini-V		6,541
11958469	Banana Plug Replacement Kit (Includes 2 banana plugs, 1 red and 1 black cap nut and 2 lock washers)		3,582
21078076	Gel Loading Template (4 / pkg) Mini V8·10 - blot module & accessories		3,271
21078019	Mini-V 8·10 Blot Module, complete with blot restrainer, blot support frame, clamping knob, three transfer pressure pads and manual.		POR

Accessories:

11958048	Transfer Pressure Pads (6 / pkg)		3,738

Mini-V 8·10 Gel Casting System
The casting chamber is designed for easy set-up and cleaning and allows to cast 2 to 9 gels simultaneously. A Gradient Former in combination with the luer fitting in the bottom of the casting chamber ensures casting of identical gradient gels. Special separation sheets make separation of gels after polymerisation very easy. Displacement blocks permit the casting of various numbers of gels.
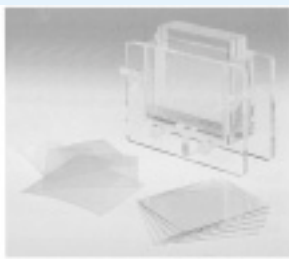
Mini V8 10 - Gel Casting System & Accessories

21078027	Mini-V 8·10 Gel Casting System, complete with a casting chamber with threaded posts, one end plate with silicone gasket and fill port, displacement blocks (1 x 1 mm, 2 mm & 5 mm & 3 x 9 mm), 20 gel separation sheets,10 pairs of glass plates, wing nuts and cap nuts, stopcock, tubing connector, stopper and manual		55,076

Accessories and Spare Parts (for Mini V8 10 Gel Casting System):

11958014	Luer Fitting Kit (Includes 2 stopcocks, 2 stoppers, 2 tubing connectors and 1 Luer fill port)		3,427

Model V15-17 - systems

21080023	Model V15·17 Gel Electrophoresis Apparatus (EU version), complete with buffer chamber, safety lid, 1 pair of glass plates (1 short glass plate 19.7 x 16.0 cm and 1 long glass plate 19.7 x 18.5 cm), 1 pair of 1.5 mm thick side spacers, 1 x 1.5 mm thick bottom spacer, 1 x 20 well comb (1.5 mm thick) and manual; gel size: 17x15 cm Note: The Gel Casting Clamp is sold separately!		85,368

Model V15-17 & V16/V16-2 - accessories, spare parts, spacers & combs
Accessories and Spare Parts:

21070065	Gel Casting Clamp (Model V15·17, V16, V16-2) (1 / pkg)		4,828
21070073	Gel Casting Clamp (Model V15·17, V16, V16-2) (2 / pkg)		8,877

CAT#	Product Description	Size	Price(Rs.)

Designed for the separation of analytical and semi-preparative quantities of proteins in a single 17 x 15 cm polyacrylamide (PAGE) gel.

- **Runs a single gel**
- **Built-in integral clamps hold the gel in place**
- **Fits gels of different thickness with straight or notched glass plates**

The **Model V15.17 Gel Electrophoresis Apparatus** is a system for high-quality separation of proteins (and nucleic acids) in a vertical standard-gel format. The gel electrophoresis apparatus is supplemented by a complete selection of accessories and replacement parts, including an external gel casting system.

The **Model V15.17** is designed to electrophorese a single 17 x 15 cm (W x L) vertical gel for separation of up to 20 samples on a 0.8 mm; 1.5 mm or 3 mm thick gel.

The built-in integral clamps allow easy assembly and hold gels of different thickness leak-free in place. The V15.17 is the system of choice for laboratories with low sample throughput but the need of long running distances or large sample volumes (up to 4,000 µl).

It is recommended to use Gel Casting Clamps for simple, leak-free casting of gels. This allows casting of single gels in a fraction of the time of the "conventional" tape or grease and binder clip methods.

11074010	Glass Plates (mixed pairs, 16.0 x 19.7 cm / 18.5 x 19.7 cm) (3 pairs)		7,320
11098019	Spring Clips (12 / pkg)		3,427
21105333	Stainless Steel Binder Clips (12 / pkg)		11,837

Spacer Sets (complete with 1 bottom spacer, 2 side spacers and 2 foam blocks)

41077017	0.8 mm thick		4,673
41077025	1.5 mm thick		4,673
41077033	3.0 mm thick		5,139

Combs, 0.8 mm (max. vol./well at an insertion depth of 9 mm):

11956026	10 wells (94 µl)		5,295
11956034	12 wells (72 µl)		5,295
11956042	14 wells (59 µl)		5,295
21076013	20 wells (34 µl)		5,295
11956117	preparative,wit 2 marker lanes (1.000 µl - volume of the central preparative well)		5,139

Vertical Gel Electrophoresis Apparatus & Accessories

Instrumentation

2008-09

CAT#	Product Description	Size	Price(Rs.)

Combs, 1.5 mm (max. vol./well at an insertion depth of 9 mm):

CAT#	Product Description	Price(Rs.)
11956059	10 wells (175 µl)	5,139
11956067	12 wells (135 µl)	5,139
11956075	14 wells (110 µl)	5,139
21076021	20 wells (63 µl)	5,295
11956125	preparative, with 2 marker lanes (2.000 µl - volume of the central preparative well)	5,139

Combs, 3.0 mm (max. vol./well at an insertion depth of 9 mm):

CAT#	Product Description	Price(Rs.)
11956083	10 wells (350 µl)	5,139
11956091	12 wells (270 µl)	5,139
11956109	14 well (220 µl)	5,139
21076039	20 wells (126 µl)	5,295
11956133	preparative, with 2 marker lanes (4.000 µl - volume of the central preparative well)	5,139
11099025	Power Cords (EU version) (pair)	7,009
11958345	Upper Platinum Wire Replacement	7,009
11958329	Lower Platinum Wire Replacement	7,165
11958212	Wire Hardware Replacement Kit (Includes 1 red cap nut, 1 black cap nut, 2 o-rings, 2 rubber washers, 2 electrode boots and 2 hex nuts). Does not include the electrode!	1,713
21960059	Gasket Replacement for V15·17 (with 6 foam blocks)	3,114
21070057	Spacer Foam Blocks (12 / pkg)	1,868
11958378	Banana Plug Replacement Kit (Includes everything in the Wire Hardware (11958212) Replacement Kitplus 2 banana plugs, 2 long ratchet rivets, 2 short ratchet rivets, 2 thin washers & 2 thick washers)	3,582
11958352	Gel Clamp Replacement Kit (Includes spring, shoulder washer, tab, knob and support ring)	2,492
11958360	Safety Lid Replacement Kit V15·17 (Includes safety lid, 2 long ratchet rivets, 2 short ratchet rivets, 2 thin washers and 2 thick washers)	9,656
21105465	Plug Cover for Casting Clamp	1,713

Designed for the separation of analytical and semi-preparative quantities of proteins in 17 x 15 cm polyacrylamide (PAGE) gels.

● **Runs 1 or 2 gels simultaneously**
● **Neoprene gasket provides leak-free assembly**
● **Fits gels of different thickness with straight or notched glass plates**

Model V16-2 Gel Electrophoresis apparatus represents a basic solid standard concept of native or SDS-PAGE vertical polyacrylamide gel (slab-gel) electrophoresis. The vertical twin-gel electrophoresis apparatus is supplemented by a complete selection of accessories and replacement parts, including an external gel casting system.
Model V16-2 is a simplified version for electrophoresis of one or two 17 x 15 cm (W x L) vertical gels simultaneously.

Model V16 and V16-2 - systems

CAT#	Product Description	Price(Rs.)
21070010	Model V16 Gel Electrophoresis Apparatus (USA version), complete with safety lid with attached power cords, 1 pair of glass plates (1 short glass plate 19.7 x 16.0 cm and 1 long glass plate 19.7 x 18.5 cm), 1 replacement gasket with 6 foam blocks, 6 spring clips and manual. Note: Spacer set and comb are sold separately as well as optional Gel Casting Clamp!	60,583
31071010	Model V16-2 Gel Electrophoresis Apparatus (USA version), complete with safety lid with attached power cords, 2 pairs of glass plates (2 short glass plates 19.7 x 16.0 cm and 2 long glass plates 19.7 x 18.5 cm), 2 replacement gaskets with 12 foam blocks, 12 spring clips and manual. Note: Spacer set and comb are sold separately as well as optional Gel Casting Clamp!	66,090

Compact XS/S
Compact M
Compact L/XL

Compact family products are designed for the fast separation of low to high numbers of samples in mini and standard gel formats.
● **Gel size 8.2 cm x 7.1 cm (XS) or 8.2 cm x 10.5 cm (S) 12.4 cm X 14.5 cm (M), 23.9 cm X 20.0 cm & 23.9 cm X 25.0 cm.**
● **UV transparent gel trays**
● **Unique gel casting tank**
Both models differ in the size of the included gel tray. The chamber compatibility with both gel trays provides great versatility to respond to different or changing application tasks. Rubber feet reliably prevent the chambers from slipping on the bench. Unique gel casting tanks make gel casting a matter of seconds.

Agarose Gel Electrophoresis
Compact Series
Compact-XS system

CAT#	Product Description	Price(Rs.)
025-000	Compact XS Complete system with chamber, safety lid, UV transparent gel tray (8.2 cm x 7.1 cm), 2 combs (11 wells, 1.0 mm thick)	32,357
025-010	Gel casting system XS Casting chamber for gel tray 8.2 cm x 7.1 cm	7,320
025-099	Compact XS + gel casting system XS	38,553

Compact XS and Compact S - accessories & combs
Combs, 1.0 mm thick

CAT#	Product Description	Price(Rs.)
(Note: volumes mentioned refer to 5mm thick gels)		
025-001	8 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	3,894
025-002	11 wells, 20 µl/well	3,894
025-003	13 wells, 16 µl/well	3,894

biometra

CAT#	Product Description	Size	Price(Rs.)
025-004	16 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing		3,894
Combs, 1.5 mm thick			
(Note: volumes mentioned refer to 5mm thick gels)			
025-015	Preparative comb: 1 well (342 µl) plus 2 marker wells (30 µl/well)		3,894
025-011	8 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing		3,894
025-012	11 wells, 30 µl/well		3,894
025-013	13 wells, 24 µl/well		3,894
025-014	16 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing		3,894

Gel trays

CAT#	Product Description	Size	Price(Rs.)
025-020	Gel tray for 8.2 cm x 7.1 cm gel size, UV transparent, 2 comb positions with 3.0 cm distance		8,099
025-021	Gel tray for 8.2 cm x 10.5 cm gel size, UV transparent, 2 comb positions with 4.7 cm distance, 3 comb positions with 3.1 cm distance		8,566

Compact S

CAT#	Product Description	Size	Price(Rs.)
025-100	Compact S Complete system with chamber, safety lid, UV transparent gel tray (8.2 cm x 10.5 cm), 2 combs (11 wells, 1.0 mm thick)		33,734
025-110	Gel casting system S Casting chamber for gel tray 8.2 cm x 10.5 cm		7,631
025-199	Compact S + gel casting system S		39,930

„Place-and-cast" casting system Compact M

Compact M - system

CAT#	Product Description	Size	Price(Rs.)
025-200	Compact M with gel tray for gel size 12.4 cmx14.5 cm. Complete system with chamber, safety lid, UV transparent gel tray, 2 combs (18 wells, 1.0 mm thick)		38,553
025-210	Gel casting system M Casting chamber for gel tray 12.4 cm x 14.5 cm		8,566
025-299	Compact M system Consisting of Compact M and gel casting system M		44,750

Compact M - accessories & combs

CAT#	Product Description	Size	Price(Rs.)
Combs, 1.0 mm thick (Note: volumes mentioned refer to 5mm thick gels)			
025-201	11 wells, 36 µl/well		4,049
025-202	13 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing		4,049
025-203	18 wells, 20 µl/well		4,049
025-204	21 wells, 16 µl/well		4,049
025-205	25 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing		4,049
Combs, 1.5 mm thick (Note: volumes mentioned refer to 5mm thick gels)			
025-216	Preparative comb: 1 well (594 µl) plus 2 marker wells (30 µl/well)		4,049
025-211	11 wells, 54 µl/well		4,049
025-212	13 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing		4,049
025-213	18 wells, 30 µl/well		4,049
025-214	21 wells, 24 µl/well		4,049
025-215	25 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing		4,049

Gel trays

CAT#	Product Description	Size	Price(Rs.)
025-221	Gel tray for 12.4 cm x 14.5 cm gel size, UV transparent, 3 comb positions with 4.5 cm distance, 4 comb positions with 3.3 cm distance		9,812

Compact L

CAT#	Product Description	Size	Price(Rs.)
025-300	Compact L with gel tray for gel size 23.9 cm x 20.0 cm.Complete system with chamber with leveling feet & gauge, safety lid, UV transparent gel tray, 3 combs (36 wells,1.0 mm thick)		56,453
025-310	Gel casting system L/XL Gel caster with leveling feet and gauge for gel tray 23.9 cm x 20.0 cm and gel tray 23.9 cm x 25.0 cm		18,588
025-399	Compact L system Consisting of Compact L and gel casting system L/XL		74,352

Compact XL

CAT#	Product Description	Size	Price(Rs.)
025-400	Compact XL with gel tray for gel size 23.9 cm x 25.0 cm. Complete system with chamber with leveling feet and gauge, safety lid, UV transparent gel tray, 4 combs (26 well,1.5 mm thick)		57,830
025-310	Gel casting system L/XL Gel caster with leveling feet and gauge for gel tray 23.9 cm x 20.0 cm and gel tray 23.9 cm x 25.0 cm		18,588
025-499	Compact XL system Consisting of Compact XL (025-400) and gel casting system L/XL (025-310)		75,729

Horizontal Gel Electrophoresis Apparatus & Accessories

Instrumentation

2008-09

CAT#	Product Description	Size	Price(Rs.)

Casting system Compact L/XL

Compact L and Compact XL - accessories & combs Combs, 1.0 mm thick

CAT#	Product Description	Price(Rs.)
	(Note: volumes mentioned refer to 5mm thick gels)	
025-301	21 wells, 36 µl/well	4,673
025-302	26 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	4,673
025-303	36 wells, 20 µl/well	4,673
025-304	42 wells, 16 µl/well	4,673
025-305	52 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	4,673

Combs, 1.5 mm thick
(Note: volumes mentioned refer to 5mm thick gels)

CAT#	Product Description	Price(Rs.)
025-316	Preparative comb: 1 well (1284 µl) plus 2 marker wells (30 µl/well)	4,673
025-311	21 wells, 54 µl/well	4,673
025-312	26 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	4,673
025-313	36 wells, 30 µl/well	4,673
025-314	42 wells, 24 µl/well	4,673
025-315	52 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	4,673

Gel trays

CAT#	Product Description	Price(Rs.)
025-320	Gel tray for 23.9 cm x 20.0 cm gel size, UV transparent, 6 comb positions with 3.1 cm distance	10,902
025-321	Gel tray for 23.9 cm x 25.0 cm gel size, UV transparent, 8 comb positions with 3.0 cm distance	11,682

Agagel Mini - accessories & combs Combs, 1mm

CAT#	Product Description	Price(Rs.)
020-001	Comb, double-sided, 12/8 tooth; 1 mm (6/10 µl per well for 5 mm thick gels)	3,738
020-003	Comb, double-sided, 4/1 tooth; 1 mm (25/125 µl per well for 5 mm thick gels)	3,738

Combs, 1mm

CAT#	Product Description	Price(Rs.)
020-002	Comb, double-sided, 12/8 tooth; 1.5 mm	5,763
	(9/14 µl per well for 5 mm thick gels)	
020-004	Comb, double-sided, 4/1 tooth; 1.5 mm	
	(35/190 µl per well for	5,763

Accessories

CAT#	Product Description	Price(Rs.)
020-005	Comb holder	3,738
020-006	Rubber end blocks, 2/pkg	2,648

CAT#	Product Description	Size	Price(Rs.)
020-007	Comb depth and leveling gauge		2,492
020-008	UV-transparent gel tray, with ruler 6.5 x 9 cm		6,853

Agagel Midi-Wide - accessories & combs Combs, 1.0 mm

CAT#	Product Description	Price(Rs.)
020-301	Comb, double-sided, 40/22 tooth; 1 mm (10/25 µl per well for	7,009
020-303	Comb, double-sided, 10/2 tooth plus 2 marker wells; 1 mm (75/300 µl per well, marker wells: 15/25 µl for 5 mm thick gels)	7,009

Combs, 1.5 mm

CAT#	Product Description	Price(Rs.)
020-302	Comb, double-sided, 40/22 tooth; 1.5 mm (17/40 µl per well for 5 mm thick gels)	8,722
020-304	Comb, double-sided, 10/2 tooth plus 2 marker wells; 1.5 mm (75/400 µl per well, marker wells: 17/17 µl for 5 mm thick gels)	8,722

Comb, 2.0 mm Accessories

CAT#	Product Description	Price(Rs.)
020-310	Comb, double-sided, 44/22 tooth; 2 mm; microplate compatible (27/50 µl per well for 5 mm thick gels), 4.5/9 mm spacing	8,877
020-306	Rubber end blocks, 2/pkg	4,049
020-307	Comb depth and leveling gauge	2,648
020-351	Comb holder	4,828
020-353	Agagel Midi-Wide & Maxi UV-transparent gel tray, without ruler, 20 x 10 cm	7,787
020-354	Agagel Midi-Wide & Maxi UV-transparent gel tray, with ruler, 20 x 10 cm	10,279

Agagel Maxi - accessories & combs Combs, 1.0 mm

CAT#	Product Description	Price(Rs.)
020-301	Comb, double-sided, 40/22 tooth; 1 mm (10/25 µl per well for 5 mm thick gels)	7,009
020-303	Comb, double-sided, 10/2 tooth plus 2 marker wells; 1 mm (75/300 µl per well, marker wells: 15/25 µl for 5 mm thick gels)	7,009

Combs, 1.5 mm

CAT#	Product Description	Price(Rs.)
020-302	Comb, double-sided, 40/22 tooth; 1.5 mm (17/40 µl per well for 5 mm thick gels)	8,722
020-304	Comb, double-sided, 10/2 tooth plus 2 marker wells; 1.5 mm (75/400 µl per well, marker wells: 17/17 µl for 5 mm thick gels)	8,722

Comb, 2.0 mm

CAT#	Product Description	Price(Rs.)
020-310	Comb, double-sided, 44/22 tooth; 2 mm; microplate compatible (27/50 µl per well for 5 mm thick gels), 4.5/9 mm spacing	8,877

Accessories

CAT#	Product Description	Price(Rs.)
020-306	Rubber end blocks, 2/pkg	4,049
020-307	Comb depth and leveling gauge	2,648
020-351	Comb holder	4,828
020-352	Agagel Maxi UV-transparent gel tray, with ruler 20 x 20 cm	10,902

CAT#	Product Description	Size	Price(Rs.)
020-354	Agagel Midi-Wide and Maxi UV-transparent gel tray, with ruler, 20 x 10 cm		10,279

Agagel Standard - accessories & combs
Combs, 1.0 mm

CAT#	Product Description	Size	Price(Rs.)
020-201	Comb, 3 tooth; 1 mm (85 µl per well for 5 mm thick gels)		3,738
020-202	Comb, 12 tooth; 1 mm (17 µl per well for 5 mm thick gels)		3,738
020-207	Comb, 18 tooth; 1 mm (16 µl per well for 5 mm thick gels) Comb, 2.0 mm		3,894
020-203	Comb, 12 tooth; 2 mm (40 µl per well for 5 mm thick gels)		3,738

Accessories

CAT#	Product Description	Size	Price(Rs.)
020-204	UV-transparent gel tray, without ruler, 10 x 10 cm, without slots for casting gates		8,099
020-205	UV-transparent gel tray, without ruler, with 2 casting gates, 10 x 10 cm		9,033
020-206	Casting gates, 2/pkg		1,402

Horizontal Electrophoresis Systems

Horizon 58 - systems

CAT#	Product Description	Size	Price(Rs.)
41060039	Horizon 58 (EU version), complete system with chamber (WxLxH = 15.2x24.0x7.0 cm), power cords, safety interlock lid, heat resistant gel tray 5.7 x 8.3 cm with 3 visualisation strips, 2 aluminium gel casting dams, 1 x 8 tooth comb (0.8 mm thick), 1 x 14 tooth comb (0.8 mm thick), removable buffer tray and manual.		44,061
21065040	Horizon 58 Gel Casting System, complete with stand-alone molded casting tray (W x L x H = 10x20.4x4.5 cm), 1 removable gel tray, with 3 visualisation strips, 2 acrylic gel casting dams & manual. (Combs are sold separately.) Horizon 58 - accessories, spare parts & combs		17,899

Combs, 0.8 mm

CAT#	Product Description	Size	Price(Rs.)
21065099	Comb 5 tooth, 0.8 mm thick, 30 µl per slot 1 (for 5 mm thick gels)		2,959
21065073	Comb 8 tooth, 0.8 mm thick, 15 µl per slot (for 5 mm thick gels)		2,959
21065115	Comb 14 tooth, 0.8 mm thick, 7 µl per slot (for 5 mm thick gels)		2,959

Combs, 1.5 mm

CAT#	Product Description	Size	Price(Rs.)
21065131	Comb 1 tooth + 2 tooth for marker lanes, 1.5 mm thick, 250 µl per preparative slot (calculated for 5 mm thick gels)		2,959
21065107	Comb 5 tooth, 1.5 mm thick, 50 µl per slot (for 5 mm thick gels)		2,959
21065081	Comb 8 tooth, 1.5 mm thick, 25 µl per slot (for 5 mm thick gels)		2,959
11951142	Comb 12 tooth, 1.5 mm thick, 15 µl per slot (calculated for 5 mm thick gels), microplate compatible, 4.5 mm spacing		2,959
21065123	Comb 14 tooth, 1.5 mm thick, 13 µl per slot (for 5 mm thick gels)		2,959

Accessories & spare parts

CAT#	Product Description	Size	Price(Rs.)
21065164	Gel Tray Horizon 58 / Sunrise 58 5.7 x 8.3 cm with 3 visualisation strips		4,049
21065032	Gel Tray Horizon 58 5.7 x 8.3 cm with 4 visualisation strips (for older Horizon 58 units)		4,205
21065057	Acrylic Gel Casting Dams (pair) for use with casting system sold before 2003		6,230
21065065	Aluminium Gel Casting Dams without gaskets (pair)		2,648
41060054	Aluminium Gel Casting Dams with gaskets (pair)		3,271
41060062	Gasket, replacement kit, Horizon 58 (pair)		935
11099025	Power Cords, EU version (pair)		7,009
21059027	Electrode Replacement Horizon 58 (1 Electrode/pkg)		3,114
21065024	Removable buffer tray		16,353
11950011	Reed Switch Replacement (reed switch only)		1,402
21065156	Reed Switch Hardware Replacement Kit (Includes 2 O-rings, 2 red cap nuts, 2 black cap nuts, 2 rubber washers, 2 electrode boots, 2 hex nuts, 2 screws, 2 banana plugs, and 2 lock washers)		3,582
21065214	Lid Replacement Horizon 58		6,541
21065149	Hinge Pins Replacement (2/pkg)		2,025

Horizon 11 14 - systems

CAT#	Product Description	Size	Price(Rs.)
11068020	Horizon 11·14 (EU version), complete system with chamber (WxLxH = 21.5x31.5x 10.5 cm), power cords, safety interlock lid, UV-transparent gel tray 11 x 14 cm, 2 aluminium gel casting dams, 1 x 14 tooth comb (1 mm thick), buffer recirculation option, adjustable leveling feet, bull's-eye level and manual		66,090

Instrumentation

2008-09

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CAT#	Product Description	Size	Price(Rs.)
11068046	Horizon 11·14 Gel Casting System for 11x14cm gels, complete with stand-alone molded casting tray (WxLxH = 17.0x32.0x6.5 cm), 1 UV-transparent gel tray, 2 aluminium gel casting dams, adjustable leveling feeth and manual (Combs are sold separately.)		20,653
21054010	Blot Transfer Apparatus 11·14, for consistent capillary transfer of 11 x 14 cm gels, complete with 1 buffer tray, 1 tray insert, 1 gel restrainer and manual		20,653

Horizon 11 14 - accessories, spare parts & combs
Combs, 1.0 mm

CAT#	Product Description	Size	Price(Rs.)
11951068	Comb 10 tooth 1.0 mm thick 33 µl per slot (for 5 mm thick gels)		3,738
11951175	Comb 12 tooth 1.0 mm thick 30 µl per slot		3,738
	(for 5 mm thick gels), mircoplate compatible, 9 mm spacing		
31081011	Comb 14 tooth 1.0 mm thick 20 µl per slot (for 5 mm thick gels)		3,738
11951076	Comb 20 tooth 1.0 mm thick 16 µl per slot (for 5 mm thick gels)		3,738

Combs, 2.0 mm

CAT#	Product Description	Size	Price(Rs.)
41086018	Comb 1 tooth + 2 tooth for marker lanes 2.0 mm thick 780 µl per prep slot (calculated for 5 mm thick gels)		3,271
11951084	Comb 10 tooth 2.0 mm thick 66 µl per slot (for 5 mm thick gels)		3,738
31081029	Comb 14 tooth 2.0 mm thick 40 µl per slot (for 5 mm thick gels)		3,738
11951092	Comb 20 tooth 2.0 mm thick 32 µl per slot (for 5 mm thick gels)		3,738
11951159	Comb 24 tooth 2.0 mm thick 22 µl per slot (for 5 mm thick gels), microplate compatible, 4.5 mm spacing		3,738

Accessories

CAT#	Product Description	Size	Price(Rs.)
11084019	UV-transparent gel tray H11·14 / H5 11 cm x 14 cm		7,320
11068053	Aluminium Gel Casting Dams without gaskets (pair)		2,492
11099025	Power Cords, EU version (pair)		7,009
11068061	Electrode Replacement H11·14 (1 electrode/pkg)		7,009
11980059	Electrode Hardware Repair Kit (Includes 2 rubber washers, 2 hex nuts, 2 electrode boots, 1 red cap nut, 1 black cap nut, 2 banana plugs, and 2 lock washers)		2,803
11964129	Leveling Foot Replacement (1/pkg)		1,402
11940012	Quick Connect Fitting Replacement (2/pkg)		1,868
11962024	Quick Connect Port Replacement (2/pkg)		2,336
11962040	Lid Replacement H11·14		8,255
21065149	Hinge Pins Replacement (2/pkg)		2,025

CAT#	Product Description	Size	Price(Rs.)

Horizon® 20.25 Systems

Designed for the separation of nucleic acids in submerged 20 x 25 cm agarose gels

- Adjustable leveling feet to ensure uniform gel thickness for reproducible separation patterns
- Red well visualization strips aid in sample loading
- Removable UV-transparent gel tray aids in staining and photography

The Horizon® 20.25 offers integrated products for the separation of nucleic acids in agarose gel electrophoresis. The system consists of three primary components supplemented by a complete selection of accessories. The three primary components are the electrophoresis apparatus, the external gel casting system (allows to cast gels while the elctrophoresis unit is being used or to cast multiple gels in advance) and the blot transfer system for capillary blotting.

Horizon® 20.25 has a compact size. The UV transparent gel tray combined with the buffer recirculation option and a wide variety of different combs offer a diversified range of application.

The Horizon® 20.25 Gel Casting System is a stand-alone system ranging in thickness from 3 to 10 mm.

Horizon 20.25 - systems

CAT#	Product Description	Size	Price(Rs.)
21069026	Horizon 20·25 (EU version), complete system with chamber (WxLxH = 32.0x42.5x12.0cm), power cords, safety interlock lid, UV-transparent gel tray 20 x 25 cm, 2 aluminium gel casting dams, 1 x 20 tooth comb (1 mm thick), buffer recirculation option, adjustable leveling feet, bull's-eye level and manual		POR
21069067	Horizon 20·25 Gel Casting System for 20 x 25 cm gels, complete with stand-alone molded casting tray (WxLxH = 27.3x37.0x 7.5 cm), 1 UV-transparent gel tray, 2 aluminium gel casting dams, adjustable leveling feet and manual (Combs are sold separately)		34,422
11056017	Blot Transfer Apparatus 20·25, for consistent capillary transfer of 20x25 cm gels, complete with 1 buffer tray, 1 tray insert, 1 gel restrainer and manual		20,653

Horizon 20 25 - accessories, spare parts & combs
Combs, 1.0 mm

CAT#	Product Description	Size	Price(Rs.)
11953064	Comb 12 tooth 1.0 mm thick 54 µl per slot (for 5 mm thick gels)		3,894
11953072	Comb 15 tooth 1.0 mm thick 40 µl per slot (for 5 mm thick gels)		3,894
41007014	Comb 20 tooth 1.0 mm thick 27 µl per slot (for 5 mm thick gels)		3,894
11951183	Comb 21 tooth 1.0 mm thick 30 µl per slot (for 5 mm thick gels), microplate compatible, 9 mm spacing		3,894
11951043	Comb 30 tooth 1.0 mm thick 20 µl per slot (for 5 mm thick gels)		3,894
11951191	Comb 42 tooth 1.0 mm thick 11 µl per slot (for 5 mm thick gels), microplate compatible, 4.5 mm spacing		3,894

CAT#	Product Description	Size	Price(Rs.)
Accessories & spare parts			
31006026	UV-transparent Gel Tray H20·25 / H4 20 cm x 25 cm		12,304
21069059	Aluminium Gel Casting Dams without gaskets (pair)		5,607
11099025	Power Cords, EU version (pair)		7,009
21069042	Electrode Replacement H20·25 (1 electrode/pkg)		6,230
11980059	Electrode Hardware Repair Kit (Includes 2 hex nuts, 2 electrode boots, 1 red cap, 1 black cap, 2 banana plugs, and 2 lock washers)		2,803
11964129	Leveling Foot Replacement (1/pkg)		1,402
11940012	Quick-Connect Fitting Replacement (2/pkg)		1,868
11962024	Quick-Connect Port Replacement (2/pkg)		2,336
21069083	Gasket Wedge Repair Kit (pair)		1,090
11962032	Lid Replacement H20·25		9,968
21065149	Hinge Pins Replacement (2/pkg)		2,025
Model H4 - accessories, spare parts & combs - continued			
Accessories and Spare Parts			
31006026	UV-transparent gel tray H20·25 / H4 20 cm x 25 cm		12,304
21069059	Aluminium Gel Casting Dams without gaskets (pair)		5,607
11099025	Power Cords not attached to lid, EU version (pair)		7,009
11025038	Electrode Replacement H4 (1 electrode/pkg)		6,853
11987013	Electrode Hardware Repair Kit (Includes 2 rubber washers, 2 hex nuts, 1 red plug, 1 black plug, 1 red cap nut, 1 black cap nut, 2 electrode boots, and 2 banana plugs)		3,271
21069083	Gasket Wedge Repair Kit (pair)		1,090
11025079	Lid Replacement H4		15,107
Horizon 58 - Accessories, spare parts & combs			
10245249	* Comb 1 tooth + 2 tooth for marker lanes 1.5 mm thick 300 µl per prep. slot (for 5 mm thick gels) *		2,648
10245090	* Comb 6 tooth 0.8 mm thick 30 µl per slot (for 5 mm thick gels) *		2,648
10245033	* Comb 6 tooth 1.5 mm thick 50 µl per slot (for 5 mm thick gels)*		2,648
10245108	* Comb 8 tooth 0.8 mm thick 20 µl per slot (for 5 mm thick gels) *		2,648
10245025	* Comb 8 tooth 1.5 mm thick 35 µl per slot (for 5 mm thick gels) *		2,648
10245116	* Comb 12 tooth 0.8 mm thick 12 µl per slot (for 5 mm thick gels) *		2,648
10245041	* Comb 12 tooth 1.5 mm thick 18 µl per slot (for 5 mm thick gels) *		2,648
10245256	* Comb 14 tooth 0.8 mm thick 8 µl per slot (for 5 mm thick gels) *		2,648
21065164	Gel tray (gel deck) H58 / Sunrise 58 5.7 x 8.3 cm with 3 visualisation strips		4,049
21065065	Aluminium Gel Casting Dams without gaskets (pair)		2,648

CAT#	Product Description	Size	Price(Rs.)
41060054	Aluminium Gel Casting Dams with gaskets (pair)		3,271
11099025	Power Cords, EU version (pair)		7,009
11680014	Electrode Replacement Kit Sunrise (for 2 electrodes)		6,385
21065214	Lid Replacement H58 / Sunrise 58		6,541
21065149	Hinge Pins Replacement (2/pkg)		2,025
Comb, 1.0 mm			
10245272	Comb 15 tooth 1.0 mm thick 20 µl per slot (for 5 mm thick gels)		5,139
Combs, 1.5 mm			
10245439	Comb 12 tooth 1.5 mm thick 44µl/slot (for 5 mm thick gels), microplate compatible, 9 mm spacing		5,139
10245413	Comb double-sided 26/12 tooth 1.5 mm thick 17/44 µl per slot (for 5 mm thick gels)		8,566
10245355	Comb 26 tooth 1.5 mm thick 17 µl per slot (for 5 mm thick gels), microplate compatible, 4.5 mm spacing		5,139
Combs, 2.0 mm			
10245306	* Comb 1 tooth + 2 tooth for marker lanes 2.0 mm thick 840 µl per prep. slot *		11,058
10245280	Comb 15 tooth 2.0 mm thick 40 µl per slot (for 5 mm thick gels) Sunrise 12·16 / Sunrise 96 - accessories & spare parts		5,139
Accessories and Spare Parts			
11084027	UV-transparent gel tray Sunrise 12·16 12 cm x 16 cm		10,123
11084043	UV-transparent gel tray Sunrise 96 12 cm x 24 cm		10,744
10245389	Silicone Gel Casting Clamps (pair)		1,713
10245298	Loading Guide, 26 tooth, 4.5 mm spacing		13,083
10245470	Removable well-visualisation guide		2,959
21069174	Casting / Leveling Tray 30.5 cm x 30.5 cm x 5.0 cm *		10,436
11099025	Power Cords not attached to lid, EU version (pair)		7,009
11680014	Electrode Replacement Kit Sunrise (for 2 electrodes)		6,385
11068152	Lid Replacement Kit Sunrise 12·14 / Sunrise 96		15,419
Sunrise 24 24 / 192 / MTP - accessories, spare parts & combs Comb, 1.0 mm			
10245314	Comb 24 tooth 1.0 mm thick 27 µl per slot (for 5 mm thick gels)		6,074
Comb, 1.5 mm			
10245326	Comb 26 tooth 1.5 mm thick 34 µl per slot (for 5 mm thick gels), microplate compatible, 9.0 mm spacing		6,074
10245348	Comb 52 tooth 1.5 mm thick 17 µl per slot (for 5 mm thick gels), microplate compatible, 4.5 mm spacing		6,074

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CAT#	Product Description	Size	Price(Rs.)
Comb, 2.0 mm			
10245322	Comb 24 tooth 2.0 mm thick 54 µl per slot (for 5 mm thick gels)		6,074
Combs, 3.0 mm			
10245421	Comb 1 tooth + 2 tooth for marker lanes 3.0 mm thick 2550 µl per prep. Slot (for 5 mm thick gels) *		6,074
10245330	Comb 24 tooth 3.0 mm thick 81 µl per slot (for 5 mm thick gels) *		6,074
31006067	UV-transparent gel tray for Sunrise 24·24, Sunrise 192, and Sunrise MTP, 24x24 cm		11,058
10245405	Silicone Gel Casting Clamps (pair)		2,492
10245447	Removable well-visualisation guide		2,492
11099041	Power Cords not attached to lid, USA version (pair)		4,984
11099025	Power Cords not attached to lid, EU version (pair)		7,009
11680014	Electrode Replacement Kit Sunrise (for 2 electrodes)		6,385
21069182	Lid Replacement Kit Sunrise 24·24 / Sunrise 192 / Sunrise MTP		20,091

Pulsed Field Gel Electrophoresis (PFGE) system
- **Rotating electrodes for truly free selection of field angles**
- **Excellent separation of high molecular DNA**
- **Rotaphor 6.0 Software**

The patented Rotaphor©
The system features free rotating electrodes. Thus any angle can be set for the electric field. Changing field angles over the time are achieved by the precise movement of the rotor. This feature is of special importance for the separation of very large DNA molecules.

Integrated buffer circulation
The Rotaphor© system features an internal pump for efficient buffer circulation. Buffer flow from an external refrigerated circulator and internal buffer flow are completely separated. An integrated thermostat relay precisely monitors the buffer temperature and triggers if necessary the cooling circuit.

Rotaphor
Rotaphor - system

021-190	Rotaphor System (115V/230V). Electrophoresis chamber with electrode rotor, Gel casting system, PC with Rotaphor interface card, Rotaphor 6.0 software (installed), Power supply with PC interface, connection cables, manual. English OS		POR

CAT#	Product Description	Size	Price(Rs.)
Rotaphor - accessories & combs			
021-011	Comb for 20 x 20 cm gels, 18 teeth		9,968
021-004	Comb for 20 x 20 cm gels, 25 teeth		9,968
021-005	Comb for 20 x 20 cm gels, 40 teeth		9,968
021-006	Comb for 20 x 20 cm gels, 50 teeth		9,968
021-007	Comb for 20 x 20 cm gels, 18 teeth		9,968
(for application of liquid samples)			
021-008	Comb for 18 x 13 cm gels, 5 teeth		9,968
021-009	Comb for 18 x 13 cm gels, 12 teeth		9,968
021-010	Comb for 18 x 13 cm gels, 20 teeth		9,968
021-003	Sample casting form (for 20 embedded samples,14 x 10 x 1 mm each)		9,968
021-001	Kit for preparative gels		56,225
021-002	Gel tray (20 x 20 cm gels) and casting frame		47,970
PFGE size standards			
021-020	Saccharomyces cerevisiae St. WAY 5-4A (minimum 80 lanes)		9,345
021-021	Saccharomyces cerevisiae St. YPH 149 (minimum 80 lanes)		12,771
021-023	Schizosaccharomyces pombe (minimum 80 lanes)		12,771

Temperature Gradient Gel Electrophoresis is a powerful technique to separate DNA fragments of identical length. In contrast to conventional electrophoresis methods, molecules are separated by their melting behavior. Thus it becomes possible to separate DNA fragments according to their primary sequence. The most common application of TGGE is mutation analysis. In contrast to conventional denaturing techniques, TGGE provides quick gradient setup and reproducible separation conditions.
Biometra offers two different instruments for TGGE. The smaller system, TGGE standard, provides quick optimization of new experiments and short running times for routine analysis.

TGGE
TGGE - system

024-000	TGGE System, 230/115 V. electrophoresis unit with high precision gradient block, 2 buffer chambers for variable positioning, controller with integrated power supply, manual, starter kit (024-003)		POR
TGGE - accessories			
024-003	TGGE Starter Kit for 25 gels, inlcuding glass plate 1 slot (024-023), glass plate		56,225

CAT#	Product Description	Size	Price(Rs.)
	8 slots (024-022), glass plate 12 slots (024-025), 3 cover plates (024-021), 100 buffer wicks (024-015), 25 Polybond films, sample AcrylGlide, 3 plastic clips		
024-022	TGGE glass plate, 8 slots (5 µl), 4x3x0.4 mm		11,682
024-023	TGGE glass plate, 1 slot (50 µl), 40x3x0.4 mm		11,682
024-024	TGGE glass plate, 1 diagonal slot (75 µl), 62x3x0.4 mm		11,682
024-025	TGGE glass plate, 12 slots (3 µl), 3x2x0.4 mm		11,682
024-026	TGGE glass plate, 18 slots (1 - 2 µl), 2x2x0.4 mm		12,771
024-027	TGGE glass plate, with 0.5 mm spacer, no slots		7,165
024-021	TGGE bonding plate, without spacers		2,648
024-015	TGGE buffer wicks, 7 x 7 cm, 100/pkg		7,165
024-030	TGGE PolyBond film, 8.8 x 8.8 cm, 25/pkg		8,255
024-034	TGGE PolyBond film, 8.8 x 8.8 cm, 100/pkg		29,747
024-031	TGGE cover plate + 10 hydrophobic cover films		4,205
024-032	TGGE hydrophobic cover film, 7 x 6 cm, 25/pkg		4,205
024-035	TGGE hydrophobic cover films, 100/pkg		9,345
024-121	TGGE self-adhesive slotformers (10 x multi-well, 9 x long-well)		9,812
024-050	Testkit for TGGE and TGGE Maxi including 40µl wildtype DNA, 40µl mutant DNA, 400µl heteroduplex DNA, 1ml loading buffer, manual		16,821
024-028	TGGE casting stand for 5 gels		26,477
024-040	TGGE clean gels, 8.3 x 8.8cm, 13 slots (5µl), 10 gels		12,926
024-001	TGGE controller and power supply, 230V/115V		POR
024-002	TGGE electrophoresis unit		POR
024-010	TGGE buffer chamber (cathode)		36,756
024-011	TGGE buffer chamber (anode)		36,756

TGGE MAXI system provides a long separation distance and is thus ideally suited for analysis of complex sample mixtures. Both TGGE instruments are powered by a Peltier thermoblock with precise microprocessor control. The orientation of the buffer chambers can be quickly changed to switch from parallel to perpendicular analysis mode

CAT#	Product Description	Size	Price(Rs.)
TGGE MAXI - system			
024-200	TGGE MAXI System, 230/115 V. Electrophoresis unit with high precision gradient block, 2 buffer chambers for variable positioning, controller, power supply, manual, MAXI starter kit (024-004)		POR
TGGE MAXI - accessories			
024-204	TGGE MAXI Starter Kit for 25 gels, including glass plate 1 slot (024-228), glass plate 32 slots (024-229), 2 cover plates (024-227), 2 sealings (024-230), 25 cover films (024-232), 25 Polybond films (024-234), 4 buffer wicks (024-216), sample AcrylGlide, 12 binder clips		POR
024-221	TGGE MAXI glass plate, without spacer 23.5 x 23.5 cm		4,673
024-227	TGGE MAXI glass plate, with spacer, no slot former		11,214
024-228	TGGE MAXI glass plate perpendicular, spacer (1 mm) and 1 slot (75 µl)		11,682
024-229	TGGE MAXI glass plate parallel, spacer (1 mm) and 32 slots (5 µl)		13,394
024-230	TGGE MAXI silicone sealing for gel casting, 1 mm		3,271
024-232	TGGE MAXI gel cover film, 25/pkg		4,205
024-234	TGGE MAXI Polybond film, 25/pkg		19,935
024-235	TGGE MAXI Polybond film, 100/pkg		76,160
024-222	TGGE MAXI self-adhesive slotforming units for parallel gels (8 strips with 28 x 5µl each and 9 x 200µl)		1,713
024-216	TGGE MAXI buffer wicks re-usable, 4 pcs.		3,271
024-240	TGGE MAXI clean gels, 23.3 x 11.5cm, 42 slots (5µl), 5 gels		16,509
024-223	TGGE MAXI Applicator strip, silicone, 34 slots for 8 µl (for use with 024 - 227)		6,541
024-201	TGGE MAXI controller		POR
024-202	TGGE MAXI elpho chamber		POR
024-203	TGGE MAXI power supply		POR

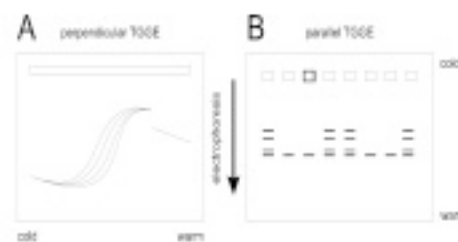| perpendicular TGGE	Temperature gradient is **perpendicular** to the electrophoretic migration: One sample is separated over a broad temperature range to determine the optimum temperature gradient or to analyze temperature dependent changes in conformation
Parallel TGGE	Temperature gradient is **parallel** to electrophoretic migration: multiple samples are separated in parallel

Figure : Typical results after perpendicular TGGE (A: temperature gradient from left to right) and parallel TGGE (B: temperature gradient from top to bottom).

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The approved standard for manual sequencing
- **Drain system for convenient and safe buffer disposal**
- **Integral aluminum plate for minimization of smiling effect and distorted bands**
- **Built-in integral clamps hold the gel in place**

Optimized handling

The S2 sequencing system provides an internal drain system for safe buffer disposal. After the run a valve is opened to release the upper buffer volume to the lower buffer chamber. The lower buffer tray can then be removed for safe buffer disposal. This feature is especially valuable when radioactive samples have been separated.

No smiling effect or distorted bands

The S2 sequencing apparatus features an integrated Aluminum plate to which the glass plate sandwich is directly attached. Due to the high thermal conductivity of Aluminum even temperature is distributed across the gel. In conventional systems, a higher temperature in the centre of gel lead to faster migration of bands in this area (the so called smiling effect).The system comes with all hardware components needed for gel casting.

Sequencing
Model S2 - systems

CAT#	Product Description	Size	Price(Rs.)
21105036	Model S2 Sequencing Gel Electrophoresis Apparatus (EU version), Gel dimension: 31 x 38,5 cm (WxH), 0.4-mm thick gel. Complete with power cords; four 14-cm 0.4-mm vinyl sharkstooth combs, set of 0.4-mm thick vinyl side spacers; pair of glass plates; roll of gel sealing tape; surface temperature monitor; and manual.		POR
21105481	Model S2 including gel casting clamp (EU version)		POR

0.35 mm

CAT#	Product Description	Size	Price(Rs.)
21105341	14 cm length, 0.35 mm thick, 25 teeth, 2-4µl/slot, 6 pcs./pkg.		7,320
21035134	28 cm length, 0.35 mm thick, 62 teeth, 2-4µl/slot, 2 pcs./pkg.		4,828

0.4 mm

CAT#	Product Description	Size	Price(Rs.)
21045018	14 cm length, 0.4 mm thick, 25 teeth, 2-4µl/slot, 6 pcs/pkg.		4,828

CAT#	Product Description	Size	Price(Rs.)
21045026	14 cm length, 0.4 mm thick, 49 teeth, 1-2µl/slot, 4 pcs/pkg.		4,828
21046016	28 cm length, 0.4 mm thick, 50 teeth, 2-4µl/slot, 2 pcs./pkg. Square tooth combs for model S2 (and discontinued S2001)		4,828

0.4 mm

CAT#	Product Description	Size	Price(Rs.)
21035043	28 cm length, 0.4mm thick, 16 teeth, 25µl/slot, 1 pc./pkg.		4,828
21035076	28 cm length, 0.4mm thick, 20 teeth, 19µl/slot, 1 pc./pkg.		4,828
21035100	28 cm length, 0.4mm thick, 32 teeth, 10µl/slot, 1 pc./pkg.		4,828

0.8 mm

CAT#	Product Description	Size	Price(Rs.)
21035050	28 cm length, 0.8mm thick, 16 teeth, 50µl/slot, 1 pc./pkg.		4,828
21035084	28 cm length, 0.8mm thick, 20 teeth, 38µl/slot, 1 pc./pkg.		4,828
21035118	28 cm length, 0.8mm thick, 32 teeth, 20µl/slot, 1 pc./pkg.		4,828

1.6 mm

CAT#	Product Description	Size	Price(Rs.)
21035068	28 cm length, 1.6mm thick, 16 teeth, 100µl/slot, 1 pc/pkg.		4,828
21035092	28 cm length, 1.6mm thick, 20 teeth, 76µl/slot, 1 pc./pkg.		4,828
21035126	28 cm length, 1.6mm thick, 32 teeth, 40µl/slot, 1 pc.pkg.		4,828

Accessories

CAT#	Product Description	Size	Price(Rs.)
21105366	Spacer Set for Model S2001/S2; 0.35 mm thick; 2 Spacer; 12 End blocks		4,361
21108014	Spacer Set for Model S2001/S2; 0.4 mm thick; 2 Spacer,12 End blocks		4,828
31109010	Spacer Set for Model S2001/S2; 0.8 mm thick; 2 Spacer, 12 End blocks		5,607
31109028	Spacer Set for Model S2001/S2; 1.6 mm thick; 2 Spacer, 12 End blocks		5,451
21107016	Wedge Spacer for Model S2001/S2; 0.4-1.2 mm thick; 2 Spacer		6,074
21105077	End spacer for Model S2001/S2; 0.4 mm thick; 1 Spacer		3,582
21105069	End spacer for Model S2001/S2; 0.8 mm thick; 1 Spacer		3,582
21105051	End spacer for Model S2001/S2; 1.6 mm thick; 1 Spacer		3,271
21105382	Spacer foam blocks ;12 Pieces		2,336
11034014	Glass Plate Set for S2001/S2; 2 Plates		9,033
21105432	Gel casting clamp for S2001/S2; Dimension: 33 x 39cm; 1 Piece		10,436
21105473	Gel casting clamp for S2001/S2; Dimension: 33 x 39cm; 2 Pieces		18,534
11032018	Gel Sealing Tape, 1 roll		4,673
11032026	Gel Sealing Tape, 10 rolls		36,601
21105358	Sealing for buffer chamber S2001/S2; 1 Piece		6,074
21047014	Top Clamp; 1 Piece		1,713

CAT#	Product Description	Size	Price(Rs.)
11098019	Clamps for Gel Sandwich; 12 Pieces		3,427
21105333	Clamps for Gel Sandwich (stainless); 12 Pieces		11,837
21105283	Surface temperature monitor strips; 3 Pieces		6,385

Model S2 - spare parts
Spare parts for Model S2

CAT#	Product Description	Size	Price(Rs.)
21105127	Model S2 Upper Buffer Chamber Banana Plug Replacement (contains black cap nut, 0-ring, and banana plug)		6,541
21105101	Model S2 Lower Buffer Chamber Banana Plug Replacement (contains red cap nut, o-ring, banana plug and red plug block)		7,320
31115017	Model S2 Upper Buffer Chamber Lid Replacement (contains lid, four ratchet rivets, 2 washers)		8,255
11116019	Model S2 Lower Buffer Chamber Lid Replacement (contains lid, four ratchet rivets, 2 washers)		7,631
21112016	Model S2 Model S2 Lower Buffer Chamber		19,157
21113014	Model S2 Upper Platinum Wire with Carrier (curved upwards to prevent covering drain port)		8,722
11114014	Model S2 Lower Platinum Wire with Carrier		8,251
11958352	Model S2 Gel Clamp Replacement Kit (includes spring, shoulder washer, washer, tab, knob and support ring)		2,492
21120019	Model S2 Drain Hose Clamp Knob Replacement Kit (contains knob and 4 flat washers)		2,648
21121017	Model S2 Silicone Drain Hose		2,492
21112016	Model S2 Lower Buffer Chamber		19,157

- Adjustable to four different heights
- Internal drain system for safe buffer disposal
- Integral Aluminum plate for even heat distribution minimizes smiling effects

Height adjustable system
The Model SA Sequencing system is available with different apparatus heights. In addition, existing systems can be extended with a middle section to increase separation distance.

Optimized handling
The SA2 Sequencing Apparatus provides an internal drain system for safe buffer disposal. After the run, a valve is opened to release the upper buffer volume to the lower buffer chamber. The lower buffer tray can then be removed for safe buffer disposal. This feature is especially important when radioactive samples have been separated.

CAT#	Product Description	Size	Price(Rs.)

Model SA - system

CAT#	Product Description	Size	Price(Rs.)
31096027	Model SA-32 Adjustable Sequencing Gel Electrophoresis System (EU version), Gel dimensions: 17 x 32 xm (WxH), 0.4mm thick gel. Complete with top and base sections: adjustable leveling feet; leveling indicator; integral gel clamps; internal buffer drain system; power cords; two 14 cm vinyl sharkstooth combs; set of 0.4-mm thick spacers; pair of glass plates; roll of gel sealing tape; surface temperature monitor; and manual. Note: Model SA Gel Casting Clamp sold separately		POR

Model SA - extensions & combs Extensions

CAT#	Product Description	Size	Price(Rs.)
31096076	Additional SA Extension (27 cm) for EU and USA		96,563
31096423	SA Extension (11 cm) for USA		57,626

Shark tooth comb, 0.35 mm

CAT#	Product Description	Size	Price(Rs.)
21105341	14 cm length, 0.35 mm thick, 25 teeth, 2-4µl/slot, 6 pcs./pkg. Shark tooth comb, 0.4 mm		7,320
21045018	14 cm length, 0.4 mm thick, 25 teeth, 2-4µl/slot, 6 pcs/pkg.		4,828
21045026	14 cm length, 0.4 mm thick, 49 teeth, 1-2µl/slot, 4 pcs/pkg.		4,828

Square tooth combs, 0.4 mm

CAT#	Product Description	Size	Price(Rs.)
11092012	3 teeth; 0.4mm thick; 240µl/central, preparative slot; 1 pc./pkg.		4,517
11092061	12 teeth; 0.4mm thick; 15µl/slot; 1 pc./pkg.		4,517
11092095	18 teeth; 0.4mm thick; 8µl/slot; 1 pc./pkg.		4,517

Square tooth combs, 0.8 mm

CAT#	Product Description	Size	Price(Rs.)
11092020	3 teeth; 0.8mm thick; 480µl/central, preparative slot; 1 pc./pkg		4,517
11092079	12 teeth; 0.8mm thick; 30µl/slot; 1 pc./pkg.		4,517
11092103	18 teeth; 0.8mm thick; 16µl/slot; 1 pc./pkg.		4,517

Square tooth combs, 1.6 mm

CAT#	Product Description	Size	Price(Rs.)
11092038	3 teeth; 1.6mm thick; 960µl/central, preparative slot; 1 pc./pkg.		4,517
11092087	12 teeth; 1.6mm thick; 60µl/slot; 1 pc./pkg.		4,517
11092111	18 teeth, 1.6mm thick; 32µl/slot; 1 pc./pkg.		4,517

Spacer

CAT#	Product Description	Size	Price(Rs.)
21093083	Spacer set, SA-32; wedge spacer: 0.4-1.2 mm; 2 Spacer		8,255
21093042	Spacer set, SA-32, 0.4mm		3,894
21093059	Spacer set, SA-32, 0.8mm		4,828
21093075	Spacer set, SA-32, 1.6mm		8,255
21093323	Spacer set, SA-43, 0.4mm		3,582
21093091	Spacer set, SA-60, 0.4mm		8,255
21093109	Spacer set, SA-60, 0.8mm		8,255
21093125	Spacer set, SA-60, 1.6mm		7,320
21093141	Spacer set, SA-88, 0.4mm		7,320
21965017	Spacer silicon blocks; 12 Pieces		2,181

CAT#	Product Description	Size	Price(Rs.)

Model SA - accessories & spare parts
Accessoires

CAT#	Product Description	Price(Rs.)
21093067	Glass Plate Set for SA-32; 2 Plates	8,410
21093331	Glass plate Set for SA-43, low fluores, 1 pair	30,682
21093356	Glass plate set for SA-43, 1 pair	17,756
21093117	Glass Plate Set for SA-60; 2 Plates	11,058
31096324	Gel casting clamp for SA-32; Dimension: 19.7 x 33.8cm; 1 Piece	6,698
11032018	Gel Sealing Tape, 1 roll	4,673
11032026	Gel Sealing Tape, 10 rolls	36,601
21093034	Sealing for buffer chamber SA; 1 Piece	5,139
21047014	Top Clamp; 1 Piece	1,713
11098019	Clamps for Gel Sandwich; 12 Pieces	3,427
21105333	Clamps for Gel Sandwich (stainless); 12 Pieces	11,837
21105283	Surface temperature monitor strips; 3 Pieces	6,385

Spare parts for Sequencing Apparatus Model SA

CAT#	Product Description	Price(Rs.)
21105382	Model SA Silicone spacer foam blocks (12/pkg)	2,336
21965017	Model SA Foam blocks (12/pkg)	2,181
31096076	Model SA Extension Section, ~27 cm (For Model SA 60, SA 88)	96,563
31096423	Model SA Extension Section, 11 cm (For Model SA 43)	57,626
11958352	Model SA Gel Clamp Replacement Kit (spring, shoulder washer, washer, tab, knob, support ring)	2,452
11099025	Model SA Power Cords (48in, pair) (EU)	7,009
31096134	Model SA Upper Buffer Chamber Wire Carrier Replacement (comes with the wire and the carrier).	7,631
31096142	Model SA Lower Buffer Chamber Wire Carrier Replacement	5,139
31096159	Model SA Upper Buffer Chamber Lid Replacement (upper buffer lid, four ratchet rivets, two washers)	6,698
31096167	Model SA Lower Buffer Chamber Lid Replacement (lower buffer lid, four ratchet rivets, two washers)	6,698
21105127	Model SA Upper Buffer Chamber Banana Plug Replacement (black cap nut, o-ring, banana plug)	6,541
21105101	Model SA Lower Buffer Chamber Banana Plug Replacement (red cap nut, o-ring, banana plug, red plug block)	7,320
31096183	Model SA Drain Hose Replacement	2,181
21120019	Model SA Drain Knob Replacement (knob, four flat washers)	2,648
11964129	Model SA Leveling Foot Replacement	1,402

Blotting Apparatus
Fastblot -System (for blotting of proteins)

CAT#	Product Description	Price(Rs.)
014-100	Fastblot B33, complete system, plasticized carbon electrodes, electrode surface 16 x 20 cm,with flow-through cooling, incl. manual	POR

Proteomics blotter for rapid semi-dry blotting of proteins up to 150 KDa
- Carbon based electrodes
- XXL sized blotter with 23.5 x 38.5 cm electrode size specially designed for the transfer of big (2D) gels
- Passive cooling

Electro-blotting is an important electrophoresis method to transfer proteins from polyacrylamide gels onto nitrocellulose or other membranes. Semi-dry blotting is done between two horizontal plate electrodes and offers fast as well as homogeneous transfer. In contrast to tank blotting only little transfer buffer is required and transfer times are shorter. Additionally, with semi-dry blotting discontinuous buffer systems can be used to gently blot smaller proteins or protein mixtures of very different sizes more evenly. The synthetic carbon electrodes of the Fastblot B64 are highly alkali and oxidation resistant. The electrodes can be used for higher currents (up to 2.5 mA/cm² gel for discontinuous buffer systems & up to 3.5 mA/cm² gel for continuous buffer systems) so that blotting times are reduced to 10 to 30 minutes. Large proteins (> 100 kDa) require longer transfer times. The heat that is generated by the extended transfer is removed by passive cooling (special design) of the blotting apparatus. By applying higher current, proteins with higher molecular weights can be blotted faster. Even smaller proteins can be transferred faster from thick gels and gels with small pores when blotting with high current.

CAT#	Product Description	Price(Rs.)
014-200	Fastblot B34, complete system, plasticized carbon electrodes, electrode surface 16 x 20 cm, without cooling, incl. manual	POR
015-100	Fastblot B43, complete system, anode: platinum-coated titanium, cathode: stainless steel, electrode surface 16 x 20 cm, with flow-through cooling, incl. manual	POR
015-200	Fastblot B44, complete system, anode: platinum-coated titanium, cathode: stainless steel, electrode surface 16 x 20 cm, without cooling, incl. manual	POR
015-600	Fastblot B64, complete system, plasticized carbon electrodes, electrode surface 23.5 x 38.5 cm, with passive cooling	POR

Fastblot - accessories

CAT#	Product Description	Price(Rs.)
B3030931	Whatman 3MM Chr, 580 x 680 mm, 0.34 mm thick, 100/pkg	51,397

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Instrumentation

CAT#	Product Description	Size	Price(Rs.)
B3017915	Whatman 17Chr, 460 x 570 mm, 0.92 mm thick, 25/pkg		33,018

Fast Blot

For gentle blotting of large and temperature-sensitive proteins

- Simultaneous blotting of up to four 10 x 10 cm gels
- Integrated cooling-jacket for effective cooling
- Homogeneous buffer temperature

Electro-blotting is an important electrophoresis method to transfer mainly proteins from polyacrylamide gels on to nitrocellulose or other carrier membranes. During tank blotting proteins are transferred in a vertical buffer tank between coiled platinum wire electrodes arranged on two sides. For this technique, the gel and blotting membrane are clamped in a frame between filter paper and fiber pads.

In the Tankblot a cooling jacket is integrated into the sidewalls. This results in convective chilling by circulation: the temperature is distributed more homogeneously than with other designs (± 0.5°C at 6°C buffer temperature). This special design also prevents formation of ion gradients.

The Tankblot is recommended particularly for blotting of large molecules (> 100 resp. 200 kDa, depending on the proteins' composition) or of proteins which are difficult to transfer.

Tankblot - System (for blotting of proteins)

| 013-300 | Tankblot, complete instrument with integrated cooling jacket, 1 gel cassette for up to four 10 x 10 cm gels, 2 fixation rings, 2 fiber pads and manual | | POR |

Tankblot - accessories

013-301	Gel cassette for up to four 10 x 10 cm gels	30,215
013-302	Fixation rings for gel cassette, 2/pkg	1,402
013-303	Fiber pads, 2/pkg	1,868

Mini V8·10 - blot module (for blotting of proteins)

| 21078019 | Mini-V 8·10 Blot Module, complete with blot restainer, blot support frame, clamping knob, three transfer pressure pads & manual | 21,181 |

CAT#	Product Description	Size	Price(Rs.)

Tank Blot

Designed for blotting of analytical and semi-preparative quantites of proteins and nucleic acids.

- Runs 1 or 2 gels simultaneously
- Electroblotting performed in the buffer tank of the Mini-V8.10

The Mini-V8.10 Blot Module operating in the buffer tank of the Mini-V8.10 vertical gel electrophoresis apparatus allows the blot transfer of proteins and nucleic acids from one or two 8 x 10 cm gels at a time. During blotting the apparatus can not be used for electrophoresis. Because of the tank design the system accepts most of the commercially offered 8 x 10 cm precast gels. The buffer volume of approx. 1000 ml is sufficient for cooling even at higher current.

Mini V8 10 - accessories for blot module

11958048	Transfer pressure pad, 6/pkg		3,738
B3030931	Whatman 3MM Chr, 580 x 680 mm, 0.34 mm thick, 100/pkg		51,397
B3017915	Whatman 17 Chr, 460 x 570 mm, 0.92 mm thick, 25/pkg		33,018

Vacu Blot
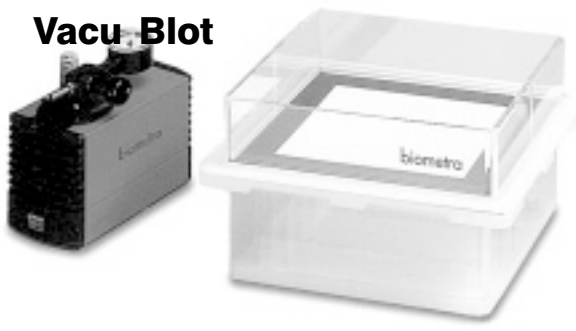
Vacu-Blot System comes with a vacuum pump with manometer and adjustable vacuum gauge to prevent the agarose gel from collapsing. This pump is needed since a water pump yields a vacuum that might be to high and is irregular.

Vacu-Blot - System (for blotting of nucleic acids)

| 053-000 | Vacu-Blot System for blots up to 20x20cm, 230 V. Complete system consisting of transfer unit, 3 rubber sheets, 8 clips, membrane vacuum pump MP86 with manometer, adjustable vacuum gauge, tubing & manual 8 clips, tubing & manual | | POR |

Vacu-Blot - accessories

CAT#	Product Description	Size	Price(Rs.)
053-002	Rubber sheets (280 x 280 mm) for Vacu-Blot, 3 pieces		7,631
053-004	Porous filter plate for Vacu-Blot		7,631
010-007	Clips (1 set), 3 pieces		935
B3030931	Whatman 3MM Chr, 580 x 680 mm, 0.34 mm thick, 100/pkg		51,397

Trouble-free Handling Guaranteed
- **Innovative sealing system**
- **No cross-contamination**
- **Multichannel pipette compatible for fast sample loading**
- **High capacity for up to 96 samples**
- **Precisely adjustable vacuum (Dot Blot 96 System)**

Reproducible
The Dot Blot 96 system provides easy and reproducible methods for immobilising, concentrating and binding proteins, DNA or RNA in solution onto membranes. Typical applications are Dot Blot hybridisation of plasmid DNA, small RNA and DNA fragments, cloned bateria, lymphomas and viral nucleic acids, screening of recombinant clones, screening of cell surface antigens, as well as filtration and immobilisation of small volumes onto immobilising matrices.

Easy to use
The Dot Blot 96 works without movable O-rings, making it extremely easy to set up. Its innovative sealing system eliminates lateral leakage that can cause cross-contamination between wells. Each well is numbered and lettered compatible to the standard 96-well plate format. Multichannel pipettes for rapid handling of samples can be used.

High capacity
Up to 96 samples can be loaded in short time. The maximum sample volume is 350 µl per well.

Durable
Dot Blot 96 features a buffer tank design that eliminates the need for trapping bottles (separators), facilitates buffer recycling, and protects any vacuum pump from buffer aspiration. The use of model MP86 vacuum pump (included in the Dot Blot 96 System) is recommended as this pump offers controlled and adjustable vacuum to prevent damage of the transfer membrane.

Dot Blot - System
(for blotting of nucleic acids and proteins)

CAT#	Product Description	Size	Price(Rs.)
053-400	Dot Blot 96 System (EU version, 230 V). complete system consisting of transfer unit, 1 sealing sheet, membrane vacuum pump MP86 with manometer, adjustable vacuum gauge, tubing and manual		POR
053-401	Dot Blot 96 without pump, incl. 1 sealing sheet, tubing and manual		POR

Dot Blot - accessories

CAT#	Product Description	Size	Price(Rs.)
053-402	Silicone sealing sheet		20,403

CAT#	Product Description	Size	Price(Rs.)
B3030931	Whatman 3MM Chr, 580 x 680 mm, 0.34 mm thick, 100/pkg Membrane pump		51,397
049-000	Membrane vacuum pump MP86 with manometer and adjustable vaccuum gauge, 230 V		48,281

Hybri Slot - system (for blotting of Nucleic acids and proteins)

CAT#	Product Description	Size	Price(Rs.)
21052014	Hybri·Slot 24, complete filtration manifold with vacuum (bottom) block, middle block, engraved top block, 4 tri-wing bolts & manual.		31,149
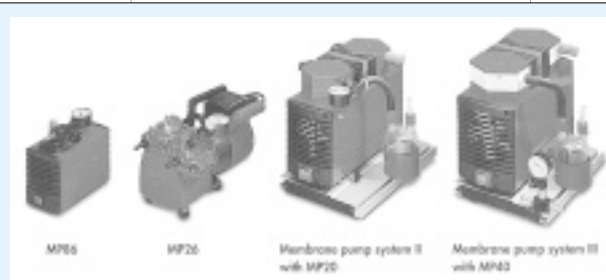
MP86 MP26 Membrane pump system II with MP20 Membrane pump system III with MP43

- **4 different types**
- **Evacuation and transfer of aggressive gases**
- **High vapor and condensate tolerance**

All membrane vacuum pumps are gas-tight, 100 % oil-free, maintenance-free and quiet. Applications are (depending on max. pump delivery) evacuation and transfer of air, gases and vapors (e.g. Geldryers, Vacu-Blot, Dot Blot, Hybri-Slot 24, The Convertible), rotary evaporation, vacuum filtration or vacuum distillation of solvents with high boiling point.

All pumps are provided with an adjustable vacuum gauge and manometer.
For use in combination with geldryers we recommend the Pump Systems. The systems are delivered with a separator connected to the pump inlet to prevent contamination of the pump with liquids.

Membrane Pump

CAT#	Product Description	Size	Price(Rs.)
049-000	Membrane vacuum pump MP86 (230 V, 50 Hz) with adjustable vacuum gauge and manometer, end vacuum 100 mbar, max. delivery 6 l / min.		48,281
049-001	Vacuum tubing for MP86 (1m)		1,868
049-201	Separator (Woulff's bottle) for connecting to MP26 und MP86		22,583

The Convertible - system (blotting of nucleic acids & proteins)

CAT#	Product Description	Size	Price(Rs.)
11055019	The Convertible base plate with storage case Top Plates (max. volume per well)		40,494

Top Plates (Max. Volume/Well)

CAT#	Product Description	Size	Price(Rs.)
11055225	96-Well, 3 mm Dot, with gasket and storage case (450 µl)		27,256
11055035	96-Well, 6 mm Dot, with gasket and storage case (700 µl)		38,469
11055050	48-Well, 1.0 x 4.0 mm Slot, with gasket and storage case (750 µl)		27,723
11055068	48-Well, 0.75 x 7.5 mm Slot, with gasket and storage case (1,000 µl)		26,789

CAT#	Product Description	Size	Price(Rs.)
Accessories			
11055043	96-Well, 3 mm Dot gasket		13,706
11055142	96-Well, 6 mm Dot gasket		15,419
11055076	48-Well, 1.0 x 4.0 mm Slot gasket		13,706
11055084	48-Well, 0.75 x 7.5 mm Slot gasket		14,172
11055126	Tubing connector assembly		3,271

Compact system for 12 bit gel documentation
- **Absolutely easy to use**
- **High quality 12 bit gel images**
- **Ideal for multi-user environments**
- **Motorised or manual zoom**

Stand-alone system for absolute flexibility
A high-quality CCD video camera provides for brilliant gel images. The live image can be directly seen on a high-resolution 5,7" LCD display which is built in the darkroom. This most compact model comes with a motorzoom lens. The wipe-clean six-button key-pad is positioned at eye-level and offers all necessary functions as setting of integration time and save image as TIFF (12 bit), BMP or JPG file on Compact Flash card. The image files are also saved to the internal memory and can be transferred by network connection to PCs. Saturation monitoring allows the easy capture of fully quantifiable images. The compact darkhood comes with a slide-out UV transilluminator. A safety-interlocking darkroom door protects the user from UV exposure. The change of bandpass filters is easily possible with the 3-position filter-slider.

Gel imaging systems

UVsolo			
033-100	UVsolo Monochrome CCD video camera Resolution 752 x 575 pixels Motorised zoom 11.5 - 69 mm resp. 12 bit format for increased dynamic range UV filter for Ethidium bromide stains Darkroom Compact footprint Inclusive 5,7´´ LCD display or with Key-pad integrated in darkroom with		POR

CAT#	Product Description	Size	Price(Rs.)
	buttons for setting e.g. integration time, show saturation, freeze image, save image as TIFF, BMP or JPG file Built-in drive for Compact Flash card, network card 3-position filter-slider White light from above for easy gel positioning Safety interlock door for user protection from UV exposure Port for video printer UV transilluminator pull-out Filter size 20 cm x 20 cm, 312 nm With 70 % / 100 % intensity switch		
033-101	UVsolo 2.Same As 033-100 but filter size of transilluminator is 21 x 26 cm		POR

Compact system for 12 bit gel documentation
- **Absolutely easy to use**
- **High quality 12 bit gel images**
- **Ideal for multi-user environments**
- **Motorised or manual zoom**

Stand-alone system for absolute flexibility
A high-quality CCD video camera provides for brilliant gel images. The live image can be directly seen on a high-resolution model with manual zoom lens and 9" video monitor and offers all necessary functions as setting of integration time and save image as TIFF (12 bit), BMP or JPG file on Compact Flash card. The image files are also saved to the internal memory and can be transferred by network connection to PCs. Saturation monitoring allows the easy capture of fully quantifiable images. The compact darkhood comes with a slide-out UV transilluminator. A safety-interlocking darkroom door protects the user from UV exposure. The change of bandpass filters is easily possible with the 3-position filter-slider.

033-110	UVsolo L Monochrome CCD video camera Resolution 752 x 575 pixels manual zoom lens 8 - 48 mm 12 bit format for increased dynamic range UV filter for Ethidium bromide stains Darkroom-Compact footprint Inclusive 9´´ video monitor or with Key-pad at controller with buttons for		POR

Gel Documentation Systems (BDA Digital, BDA video)

Instrumentation

2008-09

CAT#	Product Description	Size	Price(Rs.)
	setting e.g. integration time, show saturation, freeze image, save image as TIFF, BMP or JPG file Built-in drive for Compact Flash card, network card 3-position filter-slider White light from above for easy gel positioning Safety interlock door for user protection from UV exposure Port for video printer UV transilluminator pull-out Filter size 20 cm x 20 cm, 312 nm With 70 % / 100 % intensity switch		
033-111	UVsolo L2.Same As 033-110 but filter size of transilluminator is 21 x 26 cm		POR
031-919	Thermal video printer Mitsubishi P93E. High resolution (325 dpi), 256 grey scales, with wired remote control		POR

Compact solution for digital gel documentation and professional gel analysis

- **High-class digital camera with 8.0 megapixels**
- **Powerful BioDocAnalyze (BDA) software for image acquisition and gel analysis**
- **Small darkhood, fits standard transilluminators**
- **Additional darkhoods for advanced applications**

BDAdigital is a smart solution for versatile gel documentation with colour or grey-scale images. It combines a superb resolution with fully software controlled image acquisition. A live preview allows easy gel positioning. Individual camera settings can be saved in user-profiles.

The intuitive BDA analysis software allows the automatic calculation of size/molecular weight, mass or RF values in seconds. An upgrade module for similarity analysis is available.

A unique anti-theft camera protection is included with each darkhood

BDAdigital - system

CAT#	Product Description	Size	Price(Rs.)
034-000	BDAdigital core setDigital camera with USB2.0 interface, 8 MP resolution, lens adapter, camera power supply, UV filter for ethidium bromide staind, BDA software for image acquisition (minimum field of view: 10 cm x 10 cm) and gel analysis.For installation on an existing computer		POR
034-050	BDAdigital compact. BDAdigital core set & small darkhood BDR1		POR
034-312	BDAdigital system 20 includes BDA digital core set 034-000, BDA Box 2, transilluminator UVstar 20 19" TFT, thermal printer Mitsubishi P93DW, UV converter plate		POR

CAT#	Product Description	Size	Price(Rs.)
034-313	dto., as above but with transilluminator UVstar 30 (23 cm x 30 cm) filter size		POR

Features	Benefit
½ inch CCD chip with standard resolution	Large pixel sizes provide for high light-sensitivity
Manual high-quality zoom lens	Fast setting of zoom lens for images in excellent quality
Realtime image view	Exact gel positioning before exposure to UV
Modular system	Available as complete plug-and-play system or in modules suited to laboratory requirements

BDAvideo - system

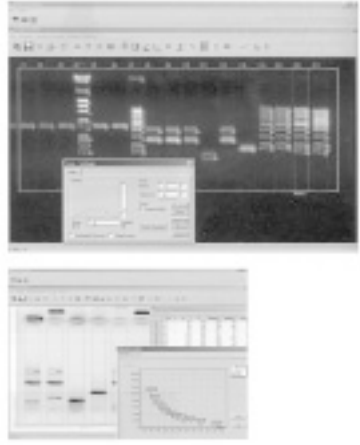| CAT#	Product Description	Size	Price(Rs.)
035-000	BDAvideo core set. CCD video camera monochrome modified for long-time integration, resolution 752(h) x 582(w) pixels, 8 bit, 256 grey scales, zoom lens 8 - 48, close-up lens +2, UV filter for EtBr, Digitization card, BDA software for image acquisition and gel analysis. For installation on an existing computer (Minimum requirements: WinXP/2000/98/NT).		POR
035-312	BDAvideo system 20, BDAvideo core set, BDA Box 2, transilluminator UVstar 20 (20 cm x 20 cm filter size), PC, TFT, thermal printer Mitsubishi P93DW, UV converter plate		POR
035-313	BDAvideo system 30 dto., as above but with transilluminator UVstar 30 (23 cm x 30 cm filter size		POR

Features	Benefit
Advanced camera specifications	Perfect performance for documentation, quantification and publication
Live image	Exact gel positioning before exposure to UV
Image acquisition software with optimisation tools like signal enhancement	Clear documentation of faint flourescent samples for maximum results
Modular composed system	Available as complete plug and play system or in modules tailored to laboratory requirements and budget

biometra

CAT#	Product Description	Size	Price(Rs.)

BDA liveH - system

CAT#	Product Description	Size	Price(Rs.)
032-001	BDA liveH core set. Digital scientific grade CCD camera mono- chrome, resolution 1,392 x 1,040 (H x V) pixels, zoom lens 8 - 48 mm, UV filter for EtBr, FireWire card (PCI), BDA image acquisition software and gel analysis software (2 licenses).		POR
032-312	BDA liveH system 20,BDA liveH core set, BDA Box 2, transilluminator UVstar 20 (20 cm x 20 cm filter size), PC, 19" TFT, thermal printer Mitsubishi P93DW, UV converter plate		POR
032-313	BDA liveH system 30,dto. same as above but with transilluminator UVstar 30 (23 cm x 30 cm filter size		POR

Gel Analysis in a few Steps
- **Easy gel analysis with accurate results**
- **Included in BDA digital, BDA video, BDA live**
- **Optional component for UVsolo, UVchemi and UVprochemi**

The BioDocAnalyze (BDA) software is a powerful package of imaging and analysis software supporting different camera models. The software provides sample analysis with best results in a minimum amount of time. The software can be used for fluorescent, colorimetric, and chemiluminescent applications and accepts typical file formats like JPG, TIF and BMP. Gel images can be directly transferred from the image acqusition window of BDA digital, BDA video or BDA live to the analysis software window. Also files generated with other acquisition sources can be imported. The user-friendly interface provides for efficient analysis and generates precise bond size calculations. Sample quantifications are done with one mouse-click

Features
- **Automatic lane and bond recognition**
- **Add, delete and separate lanes and bonds**
- **Optimisation of detection parameters**
- **Different choices for background adjustment**
- **Automatic calculation for size/MW, mass, RF**
- **Compensation of gel smiling anddistortions**
- **Zoom, insert and pseudocolour functions**
- **Add annotations to lanes, bonds and gel image**
- **Intensity profile for each lane**

Gel imaging - software

CAT#	Product Description	Size	Price(Rs.)
035-004	BioDocAnalyze (BDA) software. Software for gel analysis (fragment size, mass, RF,...) of gel images in tif, jpg, bmp, or Biometra-specific BD1 format, Software + Dongle (already included in all BDA core sets and systems)		POR
035-905	Additional licence BDA gel analysis. Serial number of the first licence dongle must be provided		POR
035-907	Additional licence BDA gel analysis (minimum order quantity: 3 x). Additional dongle. Serial number of the first licence dongle must be provided		
035-114	Similarity Analysis Module. Software module for cluster and RFLP analysis as upgrade for BDA software 035-004		POR
035-014	BDA demo software. Software CD (without dongle = Demo version)		POR

Gel imaging - further components
Computer and monitor

CAT#	Product Description	Size	Price(Rs.)
034-913	PC WinXP professional, english OS, for BDAdigital. Incl. software installation.		POR
035-911	PC WinXP professional, english OS, for BDAvideo. Incl. installed frame grabber! Can be ordered only together with 035-002!		POR
032-910	PC WinXP professional, german OS, for BDA liveH. Incl. FireWire card and software installation.		POR
032-911	PC WinXP professional, english OS, for BDA liveH. Incl. FireWire card and software installation.		POR
035-922	17" TFT monitor		POR

Printer

CAT#	Product Description	Size	Price(Rs.)
031-920	Thermal printer Mitsubishi P93DW. Resolution 325 dpi, 256 grey scales, 8 bit, versatile setting functions, USB2.0 port, Win2000/XP drivers. Incl. USB printer cable		POR

Scanner

CAT#	Product Description	Size	Price(Rs.)
030-946	Profi flat bed scanner. With DIN A4 transparency unit, resolution 1600x3200 dpi, OD 3.6, USB- & SCSI-II		POR

Transilluminators for BDA Box
With high-grade filter

CAT#	Product Description	Size	Price(Rs.)
057-503	UVstar 20. Filter size 20cm x 20cm, 8x8 W UV bulbs (312 nm), 50 or 100% intensity switch, without UV protection shield		1,04,129
057-513	UVstar 20i. Filter size 20cm x 20cm, 8x8 W UV bulbs (312 nm), 10 - 100% intensity setting, without UV protection shield		1,48,348
057-603	UVstar 30. Filter size 23cm x 30cm, 12x8 W UV bulbs (312 nm), 50 or 100% intensity switch, without UV protection shield		1,39,790
057-613	UVstar 30i. Filter size 23cm x 30cm, 12x8 W UV bulbs (312 nm), 10 - 100% intensity setting, without UV protection shield		1,71,171

With Super Brilliant filter

CAT#	Product Description	Size	Price(Rs.)
057-523	UVstar 20 plus. Filter size 20cm x 20cm, 8x8 W UV bulbs (312 nm), 50 or 100% intensity switch, without UV protection shield		1,75,450
057-533	UVstar 20i plus. Filter size 20cm x 20cm, 8x8 W UV bulbs (312 nm), 10 - 100% intensity setting, without UV protection shield		1,98,273

Instrumentation

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CAT#	Product Description	Size	Price(Rs.)
057-623	UVstar 30 plus. Filter size 23cm x 30cm, 12x8 W UV bulbs (312 nm), 50 or 100% intensity switch, without UV protection shield		216,817
057-633	UVstar 30i plus. Filter size 23cm x 30cm, 12x8 W UV bulbs (312 nm), 10 - 100% intensity setting, without UV protection shield		241,066

Transilluminators for BDA Box with conventional filter - without UV protection shield

CAT#	Product Description	Size	Price(Rs.)
057-503	UVstar 20 but w/o UV protection shield		104,129
057-513	UVstar 20i but w/o UV protection shield		148,348
057-603	UVstar 30 but w/o UV protection shield		139,790
057-613	UVstar 30i but w/o UV protection shield		171,171

Transilluminators for BDA Box with Super Brilliant filter - without UV protection shield

CAT#	Product Description	Size	Price(Rs.)
057-523	UVstar 20 plus but w/o UV protection shield		175,450
057-533	UVstar 20i plus but w/o UV protection shield		198,273
057-623	UVstar 30 plus but w/o UV protection shield		216,817
057-633	UVstar 30i plus but w/o UV protection shield		241,066

Gel imaging - further components Printer paper

CAT#	Product Description	Size	Price(Rs.)
031-994	Sony thermal paper UPP-110HG, high glossy, for thermal printer Sony UP-D890/895, 5 rolls per 18 m		15,985
031-985	Mitsubishi thermal paper KP65HM. For thermal printer Mitsubishi P93E/P93DW. 4 rolls per 21 m		8,880
031-986	Mitsubishi thermal paper KP91HG-CE, high glossy. For thermal printer Mitsubishi P93E/P93DW. 4 rolls per 18 m		11,613

CAT#	Product Description	Size	Price(Rs.)

Versatile system for chemiluminescence, fluorescence and white light.
- **Scientific grade, high-performance 12 bit CCD camera**
- **Automatic exposure control**
- **Overhead UV and white light**
- **Pull-out transilluminator**
- **Motorized zoom lens with GLP feedback**
- **Filter wheel for multi-application usage**

UVIprochemi is a versatile imaging system that handles both chemiluminescent and fluorescent imaging applications with ease. The high quality, light-tight darkroom cabinet incorporates a transilluminator on a pull-out drawer, a 6-position filter wheel and a software driven motorized zoom lens. The UVIprochemi is the perfect solution for laboratories with a range of demanding imaging applications. The exceptional camera resolution of 1.3 mega-pixels allows closely spaced bands to be easily resolved while the high quantum efficiency ensures that the faintest bands can be detected and accurately quantified. The system also includes UV (254 and 365 nm) and white light epi-illumination for applications such as TLC. The filter wheel enables the use of multiple filters for more specialised fluorescent labels.

The included image acquisition software allows the fast and easy image acquisition with self-evident buttons. Automatic exposure mode makes it possible to acquire fully optimised images of the very faintest samples at the push of a button.

Chemiluminescence systems UVIchemi

CAT#	Product Description	Size	Price(Rs.)
036-000	UVIchemi. Camera Digital progressive scan 12 bit camera with grade 0 (0 defect) CCD sensor Resolution 1280 (H) x 1024 (V) pixels (pixel size 6.7 µm x 6.7 µm), 640 (H) x 512 (V) pixels in 2 x 2 binning mode (pixel size 13.4 µm x 13.4 µm) Quantum efficiency 70 % at 450 nm Cooling 45 °C below ambient or absolute -20 °C ·Fixed focal length manual lens (f/0.95) Darkroom has Separate compartments for camera and sample for optimal cooling results ,Ultra-tight design and door latches,Set of 4 LED lights for epi-illumination (intensity controllable),With six-position adjustable tray system,Maximum sample size 21 cm x 18 cm		POR
036-911	PC Intel Pentium, for UVIchemi. English OS (Windows XP professional), incl. Installation (FireWire card, software)		POR
036-100	resolution 1.280 x 1,024 (H x V) pixels, motorzoom lens, UV filter, darkroom with UV table 21 x 26 cm on slide, epi UV (254/365 nm), epi white light, image acquisition software		POR
036-913	PC Intel Pentium, for UVIprochemi. English OS (Windows XP professional), incl. Installation (FireWire card, software)		POR

General laboratory equipment Hybridization oven - systems

CAT#	Product Description	Size	Price(Rs.)
052-000	OV1 Mini hybridization oven (230 V). Including 4 large hybridization bottles (30cm), 5 Nylon meshes, user manual		POR
052-100	OV2 Mini hybridization oven (230 V). Including 4 large hybridization bottles (30cm), 5 Nylon meshes, user manual		POR

CAT#	Product Description	Size	Price(Rs.)

- **Advanced ventilation system for homogeneous temperature distribution**
- **Speed adjustable rotor for optimum hybridization conditions**
- **Holds up to 12 hybridization bottles**

Advanced heating technology

The Mini oven OV1 features an advanced ventilation system that ensures even temperature distribution within the oven chamber. Temperature is precisely controlled in a range from 10°C above room temperature to a maximum of 85°C. A platinum sensor recognizes temperature deviations bigger than 0.1°C and directly triggers the heating system.

Versatile application

The rotor speed can be set between 6 and 10 rotations per minute, allowing precise control of hybridization conditions. A maximum of 12 hybridization bottles (10 or 15cm length) can be incubated. Alternatively, 6 large bottles (30cm) can be incubated at the same time. Thanks to very gentle rotation, even in the large bottles only minimum hybridization solution is required (down to a few ml).

CAT#	Product Description	Price
052-200	OV3 Mini shaking oven (230 V). Including 4 large hybridization bottles (30cm), 5 Nylon meshes, user manual	POR
052-300	OV5 DUO-therm hybridization oven (230 V). Including 4 large hybridization bottles (30cm), 5 Nylon meshes, user manual	POR

Hybridization oven - accessories

CAT#	Product Description	Price
052-001	Large hybridization bottle (30 cm, diameter 3,5 cm)	9,656
052-002	Medium hybridization bottle (15 cm, diameter 3,5 cm)	9,656
052-003	Small hybridization bottle (10 cm, diameter 3,5 cm)	9,656
052-011	Cap for hybridization bottle incl. O-ring seal, 1 pcs.each	2,336
052-012	O-ring seal for hybridization bottle, 1 pcs.	467
052-006	Nylon meshes 23 x 23 cm, 5 pcs.	5,139
052-007	Nylon meshes 15 x 10 cm, 5 pcs.	5,139
052-008	Rack for 6 hybridization bottles	16,821
052-009	Rotor for OV 1,2,3,5	28,190
052-010	Spring clamps for 50 ml Falcon tubes	1,557
052-016	Spring clamps for 3,5 cm bottles	1,577

For gel staining and destaining, membrane incubation etc.

- **5 or 10 kg load capacity**
- **26 x 29 cm or 35 x 40 cm platform surface**
- **Quiet operation**

Biometra´s Rocking Platforms feature rock-solid construction. The instruments are ideal for applications in which gentle flow of solution is required.

With shaking angles of 5 or 10º and variable shaking frequency they can be used in a multitude of applications. Both models can support a generous weight load and are designed for years of reliable service under the most demanding conditions.

Whereas the two rocking platforms WT15 and WT16 move back and forth, the two tumbling tables WT12 and WT17 move three-dimensionally.

Rocking platforms

CAT#	Product Description	Price
042-400	Standard Rocking Platform WT15, complete with rubber mat and manual, 230 V	POR
042-500	Mini Rocking Platform WT16, complete with rubber mat and manual, 230 V	POR
042-100	Tumbling Table WT12, complete with rubber mat and manual, 230 V	POR
042-600	Mini Tumbling Table WT17, complete with rubber mat and manual, 230 V	POR

The **Thermoblock TB2** has been developed for incubation of reaction tubes at fixed temperatures. Temperature control is achieved by means of a Pt1000 microsensor in order to reach outstanding block uniformity (+/- 0.1°C at 37°C).

Thermoblock Blocks

CAT#	Product Description	Price
051-210	Single block 30 x 0.5 ml tubes conical wells incl. 1 tube cover plate & 1 block Lit	17,078
051-211	Single block 72 x 0.2 ml tubes conical wells incl. 1 tube cover plate & 1 block lifter	13,662

CAT#	Product Description	Size	Price(Rs.)
051-212	Single block 20 x 1.5 ml tubes conical wells incl. 1 tube cover plate and 1 block lifter		10,930
051-213	Single block 20 x 2.0 ml tubes cylindrical wells incl. 1 tube cover plate & 1 block lifter		12,023
051-215	Single block 20 x 1.3 cm deep wells cylindrical wells incl. 1 block lifter		11,066
051-216	Single block 8 x 15 ml vessels conical wells incl. 1 block lifter		10,793
051-217	Single block 5 x 50 ml vessels conical wells incl. 1 block lifter		10,110
051-219	Single block without wells incl. 1 block lifter		9,154
051-220	Combi block 96 (full size) 96-well microtiter plate incl. 2 block lifters or 96 x 0.2 ml tubes		24,865
051-221	Combi block (full size) microscopic slides or incl. 2 block lifters microtiter plates with flat bottom		17,897

Accessories

CAT#	Product Description	Size	Price(Rs.)
051-230	Block lifter		1,868
051-231	Tube cover plate		2,025

Thermoblock TB2

CAT#	Product Description	Size	Price(Rs.)
051-300	Thermoblock TB2, 230 V; constant temperature incubation system with positions for two single blocks or one combi block, system with positions for two single blocks or one combi block, without blocks		79,880
	Blocks (Note: do not fit into TB1)		
051-310	Single block for TB2, 30 x 0.5 ml tubes, conical wells, incl. 1 tube cover plate and 1 block lifter		16,547
051-311	Single block for TB2, 70 x 0.2 ml tubes, conical wells, incl. 1 tube cover plate and 2 block lifters		16,547
051-312	Single block for TB2, 24 x 1.5 ml tubes, conical wells, incl. 1 tube cover plate and 1 block lifter		13,266
051-313	Single block for TB2, 24 x 2.0 ml tubes, conical wells, incl. 1 tube cover plate and 1 block lifter		13,266
051-315	Single block for TB2, 20 x 1.3 cm deep wells, parallel wells, incl. 1 block lifter		13,551
051-316	Single block for TB2, 8 x 15 ml vessels (Falcon tubes), conical wells, incl. 1 block lifter		12,838
051-317	Single block for, 5 x 50 ml vessels (Falcon tubes), conical wells, incl. 2 block lifters		12,838
051-319	Single block for TB2, flat, without wells, incl. 1 block lifter		11,411
051-320	Combi block for TB2, 96-well microtiter plates or 96 x 0.2 ml tubes, v-form wells, incl. 2 block lifters		27,815
051-321	Combi Block for TB2, microtiter plates with flat bottom or microscopic slides, without wells, incl. 2 block lifters		19,542

Accessories

CAT#	Product Description	Size	Price(Rs.)
051-350	External temperature sensor for tubes >0.5 ml		11,411
051-331	Tube cover plate for TB2 (1 pcs)		1,997
051-230	Block Lifter for Thermoblock TB1/TB2 (1 pcs)		1,712
	Thermoblock TB1 blocks (Note: do not fit into TB2)		
051-210	Single block 30 x 0.5 ml tubes conical wells incl. 1 tube cover plate and 1 block lifter		18,258
051-211	Single block 72 x 0.2 ml tubes conical wells incl. 1 tube cover plate and 1 block lifter		14,550
051-212	Single block 20 x 1.5 ml tubes conical wells incl. 1 tube cover plate and 1 block lifter		11,697
051-213	Single block 20 x 2.0 ml tubes cylindrical wells incl. 1 tube cover plate and 1 block lifter		12,838
051-215	Single block 20 x 1.3 cm deep wells cylindrical wells incl. 1 block lifter		11,839
051-216	Single block 8 x 15 ml vessels conical wells incl. 1 block lifter		11,554
051-217	Single block 5 x 50 ml vessels conical wells incl. 1 block lifter		10,841
051-219	Single block without wells incl. 1 block lifter		9,700
051-220	Combi block 96 (full size) 96-well microtiter plate incl. 2 block lifters or 96 x 0.2 ml tubes		26,532
051-221	Combi block (full size) microscopic slides or incl. 2 block lifters plates with flat bottom	microtiter	19,114

Accessories

CAT#	Product Description	Size	Price(Rs.)
051-230	Block Lifter for Thermoblock TB1/TB2 (1 pcs)		1,868
051-231	Tube cover plate		2,025

- Filter size from 15 cm x 15 cm up to 23 cm x 30 cm
- Exceeding uniform illumination
- High-grade filter glass for low backround
- Super Brilliant version for superior contrast available

Biometra UV transilluminators feature a uniform and bright illumination based on modern control electronics. The exclusive application of high-grade filter glass provides for excellent documentation results with lowest backround signal. The great illumination uniformity allows the reliable quantification of electrophoretically separated fluorescent samples

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CAT#	Product Description	Size	Price(Rs.)
Transilluminators			
Transilluminators with 50 or 100 % intensity switch			
057-400	UVstar 15 transilluminator, filter size 15 cm x 15 cm, 6 x 8 W UV bulbs (312 nm), 50 or 100 % intensity switch, UV protection shield		94,144
057-401	dto., but wavelength 254 nm		94,144
057-402	dto., but wavelength 365 nm		94,144
057-500	UVstar 20 transilluminator, filter size 20 cm x 20 cm, 8 x 8 W UV bulbs (312 nm), 50 or 100 % intensity switch, UV protection shield		109,835
057-501	dto., but wavelength 254 nm		109,835
057-502	dto., but wavelength 365 nm		109,835
057-600	UVstar 30 transilluminator, filter size 23 cm x 30 cm, 12 x 8 W		144,069
	UV bulbs (312 nm), 50 or 100 % intensity switch, UV protection shield		
057-601	dto., but wavelength 254 nm		144,069
057-602	dto., but wavelength 365 nm		144,069
057-700	UVstar WL transilluminator, filter size 20 cm x 20 cm, 6 x 8 W UV bulbs (312 nm) + white light filter size 20 cm x 20 cm, 6 x 8 W white light bulbs, 50 or 100 % UV intensity switch, UV protection shield		151,201
057-701	dto., but UV wavelength 254 nm		151,201
057-702	dto., but UV wavelength 365 nm		151,201
Transilluminators with 10 - 100 % intensity control			
057-410	UVstar 15i transilluminator, filter size 15 cm x 15 cm, 6 x 8 W UV bulbs (312 nm), 10 - 100 % intensity setting, UV protection shield		124,099
057-411	dto., but wavelength 254 nm		124,099
057-412	dto., but wavelength 365 nm		124,099
057-510	UVstar 20i transilluminator, filter size 20 cm x 20 cm, 8 x 8 W UV bulbs (312 nm), 10 - 100 % intensity setting, UV protection shield		152,627
057-511	dto., but wavelength 254 nm		152,627
057-512	dto., but wavelength 365 nm		152,627
057-610	UVstar 30i transilluminator, filter size 23 cm x 30 cm, 12 x 8 W UV bulbs (312 nm), 10 - 100 % intensity setting, UV protection shield		176,877
057-611	dto., but wavelength 254 nm		176,877
057-612	dto., but wavelength 365 nm		176,877
057-710	UVstar WLi transilluminator, filter size 20 cm x 20 cm, 6 x 8 W UV bulbs (312 nm) + white light filter size 20 cm x 20 cm, 6 x 8 W white light bulbs, 10 - 100 % UV intensity setting, UV protection shield		189,715
057-711	dto., but UV wavelength 254 nm		189,715
057-712	dto., but UV wavelength 365 nm		189,715

CAT#	Product Description	Size	Price(Rs.)
Transilluminators with Super Brilliant filter and 50 or 100 % intensity switch			
057-520	UVstar 20 plus transilluminator, filter size 20 cm x 20 cm, 8 x 8 W UV bulbs (312 nm), 50 or 100 % intensity switch, UV protection shield		179,730
057-522	dto., but wavelength 365 nm		179,730
057-620	UVstar 30 plus transilluminator, filter size 23 cm x 30 cm, 12 x 8 W UV bulbs (312 nm), 50 or 100 % intensity switch, UV protection shield		221,096
057-622	dto., but wavelength 365 nm		221,096
Transilluminators with Super Brilliant filter and 10 - 100 % intensity control			
057-530	UVstar 20i plus transilluminator, filter size 20 cm x 20 cm, 8 x 8 W UV bulbs (312 nm), 10 - 100 % intensity control, UV protection shield		202,552
057-532	dto., but wavelength 365 nm		202,552
057-630	UVstar 30i plus transilluminator, filter size 23 cm x 30 cm, 12 x 8 W UV bulbs (312 nm), 10 - 100 % intensity setting, UV protection shield		245,345
057-632	dto., but wavelength 365 nm		245,345
Accessories			
055-001	UV-light face protection shield		16,042
055-002	UV-light protecting glasses		3,271
055-004	UV-light transparent acrylic cover for TI1-TI3		15,263
057-001	UV-light protecting shield, suitable for TI1 - TI3		12,926
057-002	UV-light bulb (312 nm), 8 W for TI1- TI3		3,894
057-003	White light bulb, 6 W for TI3		3,427
057-004	UV-light bulb (312 nm), 6W, for TI4		3,738

Gel drying systems

- 3 different sizes from 18 x18 cm up to 40 x 60 cm drying surface
- Ideal for mini gels up to sequencing gels
- Operating temperature: RT+5ºC – 90ºC

Biometra's Geldryers, highly appreciated for their durability, very quiet operation and reliability, are for drying vertical <u>slab gels</u> and provide optimal drying for all types of gels.

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CAT#	Product Description	Size	Price(Rs.)

The dryers Minidry, Mididry and Maxidry feature temperature regulation between ambient temperature +5ºC and 90ºC.
The gels are heated from below and the vacuum removes the moisture from below to dry the gel homogeneously. When applying the vacuum by a <u>membrane vacuum pump</u> a groove that frames the drying surface provides an optimum tight seal during the drying period. All gel dryers are equipped with a timer to allow time controlled drying.
The use of special filter paper and cellophane results in perfect flat and transparent gels after drying for gel documentation and analysis (e.g. with the BioDoc systems).

Gel dryers

CAT#	Product Description	Size	Price(Rs.)
041-000	Minidry D61, 18 x 18 cm drying surface, 230 V		POR
041-100	Mididry D62, 30 x 40 cm drying surface, 230 V		POR
041-300	Maxidry D64, 40 x 60 cm drying surface, 230 V		POR

Accessories

CAT#	Product Description	Price(Rs.)
041-003	Filter paper, 25 sheets	16,977
041-004	Cellophane, 0.3 m x 50 m	10,436
041-001	Frit for Minidry	5,451
041-101	Frit for Mididry	7,320
041-301	Frit for Maxidry (40 x 60 cm)	11,525
041-013	Silicone mask for Minidry	3,271
041-103	Silicone mask for Mididry	4,205
041-303	Silicone mask for Maxidry (40 x 60 cm)	10,747

MP86   MP26   Membrane pump system II with MP20   Membrane pump system III with MP40

Vacuum pumps for laboratory use
- 4 different types
- Evacuation and transfer of aggressive gases
- High vapor and condensate tolerance

All membrane vacuum pumps are gas-tight, 100 % oil-free, maintenance-free and quiet. Applications are (depending on max. pump delivery) evacuation and transfer of air, gases and vapors (e.g. **Geldryers, Vacu-Blot, Dot Blot, Hybri-Slot 24, The Convertible**), rotary evaporation, vacuum filtration or vacuum distillation of solvents with high boiling point.
All pumps are provided with an adjustable vacuum gauge and manometer

Membrane pumps

CAT#	Product Description	Price(Rs.)
049-000	Membrane vacuum pump MP86 with adjustable vacuum gauge & manometer, end vacuum 100 mbar, max. delivery 6 l/min, 230 V, 50 Hz	48,281
049-100	Membrane vacuum pump MP26 with adjustable vacuum gauge & manometer, end vacuum 35 mbar, max. delivery 19 l/min, 230 V, 50 Hz, incl. 1 m vacuum tubing	POR
049-200	Membrane pump system I, same as 049-100, but includes separator (Woulff´s bottle), incl. 1 m vacuum tubing	POR

CAT#	Product Description	Size	Price(Rs.)
049-300	Membrane vacuum pump MP20 with adjustable vacuum gauge & manometer, end vacuum 8 mbar, max. delivery 20 l/min, 230 V, 50 Hz, incl. 1 m vacuum tubing		POR
049-400	Membrane pump system II, same as		POR
049-300	incl. separator, baseplate and holder for separator, incl. 1 m vacuum tubing		POR
049-401	Baseplate and holder (for separator) for MP20		27,411
049-402	Seperator for MP20 and MP40		28,969
049-500	Membrane vacuum pump MP40 with adjustable vacuum gauge and manometer, end vacuum 8 mbar, max. delivery 34 l/min,		POR

230 V, 50 Hz incl. 1 m vacuum tubing

CAT#	Product Description	Price(Rs.)
049-600	Membrane pump system III, same as	POR
049-500,	incl. separator, baseplate and holder for separator, incl. 1 m vacuum tubing	
049-601	Baseplate and holder (for separator) for MP40	27,411
049-402	Seperator for MP20 and MP40	28,969

Covering a wide range of temperature control applications

- Space-saving design
- Microprocessor Controlled
- CFC free

Precise and constant temperature often is essential for a wide range of laboratory methods, e.g. Pulsed Field gel electrophoresis with the <u>Rotaphor</u>, native polyacrylamide gel electrophoresis (<u>slabgels</u>), agarose gel electrophoresis (<u>Agarose gel systems</u>), isoelectric focusing (2D gel electrophoresis) or DNA-sequencing (<u>DNA-sequencer</u>).

The KH-5 is menu driven, microprocessor controlled and equipped with genuine digital electronics. The compact design is a result of modern SMD technology. The Real Temperature Adjustment system allows corrections between the actual temperature displayed and the temperature in an external system by an correction value "C".

The powerful pump (max. flow rate 12 l / min.) ensures an excellent temperature uniformity throughout the bath and an efficient heat exchange with external objects. Thus, a high degree of temperature accuracy is attainable.

Refrigerated Circulator

CAT#	Product Description	Price(Rs.)
043-400	Refrigerated Circulator KH-5 (230 V), complete system with 2 m long perbunan hoses (8 mm inner diameter), adapters and manual	POR

Disposable electroporation chambers

CAT#	Product Description	Price(Rs.)
11601028	Standard Electroporation Chambers (50 pcs./pkg.). 0.4-cm interelectrode gap (standard electroporation chambers) for use in electroporating plant or mammalian cells.	20,714
11608031	Micro Electroporation Chambers (50 pcs./pkg.).(microelectroporation chambers) for use in electroporating yeast or bacterial cells.	20,714

CAT#	Product Description	Size	Price(Rs.)
Chromatographic paper 3MM Chr (0.34 mm thick)			
B3030861	200mm x 200mm, 100 sheets/pack		9,033
B3030335	315mm x 355mm, 100 sheets/pack		28,657
B3030917	460mm x 570mm, 100 sheets/pack		33,798
B3030931	580mm x 680mm, 100 sheets/pack		51,307
B3030614	20mm x 100m, 1roll		POR
B3030672	100mm x 100m, 1roll		POR
B3030681	150mm x 100m, 1roll		25,698
B3030690	190mm x 100m, 1roll		32,084
B3030700	230mm x 100m, 1roll		POR
B3030704	270mm x 100m, 1roll		POR
17 Chr (0.92 mm thick)			
B3017915	460mm x 570mm, 25 sheets/pack		POR

Full range of low voltage and high voltage Power Supplies suitable for all electrophoresis applications.
- Low Voltage: from max. 125 V up to 600 V
- High Voltage: up to 3,000 V
- Optional temperature probe

Biometra offers a full range of power supplies for protein, DNA and RNA electrophoresis including blotting, DNA sequencing, fingerprinting techniques and isoelectric focusing.

Power Supplies
Low voltage power supplies

CAT#	Product Description	Size	Price(Rs.)
31061104	Model 125 Power Supply (EU version, 230 V), max. 125 V, 150 mA, 20 W, 1 output		24,919
10801017	Model PS304 Power Supply (EU version, 230 V), max. 300 V, 400 mA, 120 W, 2 outputs		POR
10839017	Model PS305T Power Supply (EU version, 230 V), max. 300 V, 500 mA, 150 W, Timer, 2 outputs		POR
040-800	Standard Power Pack P25 (115V / 230V), max. 400 V, 1000 mA, 200 W, 4 outputs		POR
040-850	Standard Power Pack P25T with Timer (115 V / 230 V), max. 400 V, 1000 mA, 200 W, 4 outputs		POR

High Voltage Power Supply for DNA-Sequencing, Polyacrylamide Gel Electrophoresis and Isoelectric Focusing
- Programmable
- Const. voltage, current or power
- Temperature Probe

High voltage power supplies

CAT#	Product Description	Size	Price(Rs.)
10553003	Model PS3003 HV Power Supply (EU version, 230 V), max. 3000 V, 300 mA, 300 W		POR
10556017	Model PS9009TC programmable HV Power Supply (EU version, 230 V), with one dedicated program especially designed for IEF max. 3000 V, 300 mA, 300 W, Timer, 2 outputs		POR

Power supply adaptors

CAT#	Product Description	Size	Price(Rs.)
010-026	Standard safety adaptor set (4mm/4mm), conical, for use with sheated 4 mm male plug instrument leads to non-sheated 4 mm Power Supply output jacks		2,959
010-027	Safety adaptor set (4 mm / 4 mm), cylindrical, for use with sheated 4 mm male plug instrument leads to non-sheated 4 mm Power Supply soutput jacks		2,959
022-007	Safety adaptor set (4 mm / 2 mm), for use with sheated 4 mm male plug instrument leads to 2 mm high-voltage Power Supply output jacks		5,607
022-018	Safety adaptor set (2 mm / 4 mm), for use with sheated 2 mm male plug instrument leads to sheated 4 mm Power Supply output jacks		6,230
010-031	Safety adaptor (4 mm / 4 mm), special, for use with sheated 4 mm male plug instrument leads to recessed 4 mm Bio-Rad Power Supply output jacks		5,763

QIAxcel System

Revolutionary Multi-Capillary Electrophoresis System - A perfect match for genomic research

◆ **Automated sample Handling for up to 96 Samples** Hands free sample loading
   Reduces training and labor costs / Manual handling errors
   Increases laboratory producitivity

◆ **High Detection Sensitivity** Detects as low as 0.1ng/µl for PCR amplified DNA
   More robust results with lower concentrations of DNA

◆ **Fast Analysis**
   Averages 3-10 minutes for a 12-samples analysis
   Completes 96-sample analysis within 0.5-1.3 hours
   Increases laboratory producitivity

◆ **Compact Instrument Size** Fits on most laboratory benches
   Conserves bench space

QIAGEN

Overcome gel-electrophoresis bottlenecks
The QIAxcel system consist of the QIAxcel analyzer, a novel multiplexed fluorescence detection design including an array of light-emitting diodes and micro-optical collectors, the QIAxcel Gel Cartridges, the BioCalculator software, and a computer. The ready-to-run gel cartridges contain 12 separation micro-channels with a built-in gel matrix for fast, high-resolution analysis of up to 96 samples in parallel. Hands-free sample loading and self-contained components minimize exposure to hazardous chemicals such as ethidium bromide. The high detection sensitivity provided by the QIAxcel analyzer enables robust results even with low concentrations of nucleic acid. With a resolution of 3–5 bp for fragments smaller than 0.5 kb, the QIAxcel analyzer ensures greater accuracy than slab-gel methods as well as greater confidence in data interpretation. Sample consumption is 1 µl per analysis, saving on your precious sample for further downstream analysis.

A versatile solution for your electrophoresis

The QIAxcel system offers a broad range of optimized applications and is highly suited for research in academic as well as pharmaceutical, biotechnology, and biomedical laboratories. Preprogrammed methods, in combination with the corresponding gel cartridges, allow separation and analysis of a variety of nucleic acids, including single or multiple PCR fragments, DNA digested with restriction endonucleases, synthesized oligonucleotides, total RNA, and cRNA.

Quantitative PCR

Stratagene offers you the complete QPCR system solution with high-performance, value loaded products and services to support your QPCR research. Whether a novice or experienced use, our goal is to ensure that you are running QPCR experiments quickly, efficiently, and affordably. Our Mx™ family of QPCR Systems, premiere QPCR System Service Program, complete line of QPCR and QRT-PCR reagents, and Fast Track QPCR Education Program is the total package for your QPCR research.

QPCR System The Mx3005P®

System is a high-performance, full-featured instrument system designed to accommodate basic experimental design and also offer the flexibility required for more advanced applications. The Mx3005P QPCR System brings real-time QPCR instrumentation to the individual researcher with a limited budget.

◆ Fine optical channels with user-selected filters for greater flexibility.
◆ Broad wavelength range excitation supports most fluorescent dyes.
◆ Defined excitation and emission detection wavelengths ideal for superior multiplex results.
◆ Single photomultiplier tube for detection ensures superior sensitivity and linear dynamic range to ten orders of magnitude.
◆ Each well scaning optics reduces the use of any reference dye and hence making the platform open. Open to all available Real Time PCR chemistries

Total QPCR Solutions

Stratagene provides a total solution approach to real-time quantitative PCR (QPCR), simplifying the challenges you face in sample preparation and data analysis. Whether you are new to or experienced in QPCR, your individual needs are met with our comprehensive range of products and industry-leading support. Those getting started in QPCR benefit from our on-site user group meetings and web-based training programs, premixed reagent kits, and turnkey instrument installation. More experienced QPCR users appreciate the flexibility of our powerful, user-friendly software as well as reagent kits that support user customization and demanding assay optimization.

Bringing QPCR Systems to Every Lab

Real-time quantitative PCR (QPCR)is today 's method of choice for quantifying nucleic acids. By monitoring PCR amplification in real-time,it is possible to measure the reaction during the exponential phase of growth,a time when none of the reagents are limiting and the reaction is most efficient.This allows real-time QPCR to achieve more sensitive detection,better reproducibility, and a wider linear dynamic range than conventional methods. Our Mx 3000P and Mx 3005P QPCR Systems offer the highest performance and flexibility in QPCR instrumentation at an affordable price.

Instrumentation

2008-09

QIAsymphony® SP - Pure Performance

Fully automated sample and assay technologies

By combining performance-leading QIAGEN® magnetic-particle chemistry with a broad application range for RNA, DNA, and protein purification, the QIAsymphony SP sets a new milestone in automated sample technologies. Cutting-edge technology, innovative functions, and optimized protocols, plus processing of large sample volumes* give you high-performance results you can trust. The QIAsymphony SP is the first module in the new QIAsymphony series of automated systems, which provides automation of your complete workflow — from sample to assay.[†]

The QIAsymphony SP enables your success in:
● Molecular diagnostics research and biomedical research
● Human identity testing, veterinary applications, and biosecurity research
● Life science applications, such as genomics and proteomics research

QIAGEN

The QIAsymphony SP takes ease of use to a new level

The QIAsymphony SP is ready-to-run and requires only minimal installation, enabling fast startup in your laboratory. The QIAsymphony SP is operated via an integrated touchscreen, and up to 96 samples, reagents, and plasticware are loaded into drawers, providing increased ease of use and user safety. Innovative reagent cartridges enable processing of a wide range of starting materials with just a few kits. Bar code reading throughout the entire purification procedure enables full process documentation.

Unrivaled application range
QIAsymphony Kits — backed by QIAGEN Quality ™ — increase laboratory efficiency since just a few kits in combination with optimized protocols cover an extensive range of starting materials and applications Sample volumes of up to 1000 µl and up to 50 mg of tissue or 10^7 cells can be processed, providing increased nucleic acid yields for gene expression and genomics applications and higher sensitivity in virology and microbiology applications. The QIAsymphony SP delivers pure performance in virus and bacteria applications and makes no compromise when purifying DNA from blood, RNA from tissues and cells, or proteins from E. coli or eukaryotic cells.

Innovative kit concept for ease-of-use and improved efficiency
QIAsymphony Kits are exceptionally easy to use. Innovative, ready-to-run reagent cartridges are prefilled with all reagents required for the purification procedure, including accessory enzymes. Worktable setup is rapid, which saves your valuable time. Simply place up to 2 reagent cartridges in the QIAsymphony drawer. The reagent cartridges can be either from the same kit or from different kits, enabling different purification procedures to be performed within the same run of 96 samples. Reagent cartridges are automatically opened by the instrument and reagent volumes only for the selected number of samples are used, giving you complete cost control.

QIAsymphony reagent cartridges are safe and fully trackable
QIAsymphony reagent cartridges enable increased process safety and eliminate tedious manual documentation. Prefilled, sealed reagent cartridges eliminate pouring of reagents. Reagent cartridges, including accessory enzymes, are labeled with 2D bar codes, enabling automatic recognition by the QIAsymphony SP and tracking of individual reagents throughout the entire purification procedure. Used reagent lots for each batch of samples are documented in the final result file.

biometra ECO-LINE

Newer Introduction

● Glass plates with fixed glass spacers
● Multiple glass plate sizes compatible
● Tank style model for electrophoresis and blotting
● Built-in cooling option Gel casting system for single or multiple gel casting

Both sizes of the tank-style Eco-line accommodate a variety of separation techniques, including SDS-PAGE, native, preparative and gradient electro-phoresis, as well as blotting applications. Eco-Mini and Eco-Maxi have the capacity to run 1 or 2 gels simultaneously.
The gel module for electrophoresis fits to the casting stand and forms the upper buffer chamber with integrated clamps when applied into the buffer tank. Interchangeable modules convert the apparatus from electrophoresis to tank blotting. Locator slots are built into the tank endwalls for easy and quick sliding of the gel electrophoresis or blotting module into locked position.
Optional cooling is available to prevent overheating and to ensure the highest resolution. Both systems offer the option to use a cooling coil fixed to the lid for temperature controlled runs. Additionally the buffer tank of Eco-Mini and Eco-Maxi is available with a built-in cooling base.

Eco-Mini - PAGE electrophoresis & blotting.
Double gel system with gel dimensions of 9.2cm X 7.8cm.
Accomodates hand cast & pre cast gels.
Gel casting stand for 1 or 2 gels.
Cooling option (cooling coil for lid, buffer tank with built-in cooling base).
Is also compatible with glass plates of minigel or minigel -twin.
Temp controlled runs are possible using the cooling coil.
Buffer tank version with built-in cooling base is compatible with the blot module of Tank Blot Eco-Mini.
Casting stand provides quick & easy assembly of 1or2 gel sandwiches.
Specially designed PRE CAST GEL MODULE is recommended for use of pre-cast gels in plastic cassettes.

Eco-Maxi - PAGE electrophoresis
Double gel system with gel dimensions of 19cm X 17.5cm.
Accomodates hand cast & pre cast gels.
Multi casting chamber for casting 2-4 gels simultanoeusly achieves highest reproducibility. Cooling is possible by using the cooling coil for lid, buffer tank with built-in cooling base.The general risk of "smiling effects" and insufficient band resolution with large gels caused by heating effects an be easily over-come by using this cooling option. Buffer tank version with built-in cooling base is compatible with the blot module of Tank Blot Eco-Maxi.
Acrylic dispalcement blocks act as space filterws when less then 4 gels are cast.Special seperation sheets ensure an easy seperation of gels after polymerisation.

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