



HORIZONTAL ELECTROPHORESIS SYSTEMS, SHIROGEL

Designed for ease of use and safe operation, the shiroGEL horizontal electrophoresis systems and accessories are built to withstand the rigours of everyday use. For leakproof performance the gel boxes and gel trays are moulded from thick acrylic. UV transparent gel trays aid in visualisation of samples. Cassettes protect the electrodes and allow for easy replacement. Gel casting is simple with the durable rubber casting gates. Slots in the sides of the trays allow for easy comb placement. The two-piece design of the combs allows for vertical adjustment, giving the user control over the depth of the well. The combs supplied with the systems are 1,5 mm thick. Multiple combs, including those compatible with multichannel pipettes and different thicknesses, are also available. The 'EasyLift' gel box lid is easily removed using the side tabs and pressure pads. The lid is domed, to prevent condensation from dripping onto the gel, and is surrounded by a drip ring, to help recover the condensate and maintain buffer concentration.

- Moulded, durable construction
- Rubber gates for tapeless gel casting
- 'EasyLift' safety lid with buffer recapture system to maintain buffer concentration

Complete system, including UV transparent gel tray, is supplied with tank, lid, electrodes and 1,5 mm combs.

Model	Mini 10	Midi Plus 10	Midi Plus 15
Gel size W×L (mm)	70×100	150×100	150×150
Sample capacity	64	140	210
Buffer volume (ml)	225	300	500
Unit W×L×H (mm)	90×210×90	175×265×90	

Description	Pk	Cat. No.
Horizontal gel unit, shiroGEL Mini 10, 7×10 cm	1	700-0250
Horizontal gel unit, shiroGEL Midi Plus 10, 15×10 cm	1	700-0253
Horizontal gel unit, shiroGEL Midi Plus 15, 15×15 cm	1	700-0255

Description	Pk	Cat. No.
Combs for shiroGEL horizontal gel systems		
Comb, 5-well, 1,5 mm thickness for 7 cm gel tray	1	700-0263
Comb, 8-well, 1,0 mm thickness for 7 cm gel tray	1	700-0264
Comb, 8-well, 1,5 mm thickness for 15 cm gel tray	1	700-0289
Comb, 10-well, 1,0 mm thickness for 15 cm gel tray	1	700-0265
Comb, 10-well, 1,5 mm thickness for 7 cm gel tray	1	700-0258
Comb, 10-well, 1,5 mm thickness for 15 cm gel tray	1	700-0266
Comb, 12-well, 1,0 mm thickness for 7 cm gel tray*	1	700-0259
Comb, 12-well, 1,5 mm thickness for 7 cm gel tray*	1	700-0260
Comb, 12-well, 1,5 mm thickness for 15 cm gel tray	1	700-0268
Comb, 14-well, 1,5 mm thickness for 15 cm gel tray*	1	700-0270
Comb, 14-well, 2,0 mm thickness for 15 cm gel tray*	1	700-0271
Comb, 16-well, 1,0 mm thickness for 7 cm gel tray	1	700-0261
Comb, 16-well, 1,0 mm thickness for 15 cm gel tray	1	700-0272
Comb, 16-well, 1,0 mm thickness for 15 cm gel tray*	1	700-0273
Comb, 16-well, 1,5 mm thickness for 7 cm gel tray	1	700-0262
Comb, 16-well, 1,5 mm thickness for 15 cm gel tray*	1	700-0274
Comb, 16-well, 2,0 mm thickness for 15 cm gel tray*	1	700-0275
Comb, 18-well, 1,0 mm thickness for 15 cm gel tray*	1	700-0276
Comb, 18-well, 1,5 mm thickness for 15 cm gel tray*	1	700-0277
Comb, 20-well, 0,75 mm thickness for 15 cm gel tray	1	700-0278
Comb, 20-well, 1,0 mm thickness for 15 cm gel tray	1	700-0279
Comb, 20-well, 1,5 mm thickness for 15 cm gel tray	1	700-0280
Comb, 20-well, 2,0 mm thickness for 15 cm gel tray	1	700-0281
Comb, 28-well, 0,75 mm thickness for 15 cm gel tray*	1	700-0282
Comb, 28-well, 1,0 mm thickness for 15 cm gel tray*	1	700-0283
Comb, 28-well, 1,5 mm thickness for 15 cm gel tray*	1	700-0284
Comb, 30-well, 1,0 mm thickness for 15 cm gel tray*	1	700-0285
Comb, 30-well, 1,5 mm thickness for 15 cm gel tray*	1	700-0286
Comb, 35-well, 1,5 mm thickness for 15 cm gel tray	1	700-0287
Accessories		
Casting dam for 7 cm gel tray	2	700-0252
Casting dam for 15 cm gel tray	2	700-0257
UV transparent gel tray for shiroGEL Mini 10	1	700-0251
UV transparent gel tray for shiroGEL Midi Plus 10	1	700-0254
UV transparent gel tray for shiroGEL Midi Plus 15	1	700-0256

*Multichannel pipette compatible



HORIZONTAL ELECTROPHORESIS APPARATUS, SHIROGEL HORIZONTAL 96

This 96-well format horizontal gel electrophoresis unit is compatible with 8-channel multichannel pipettes, and matches up with a standard 96-well plate configuration.

- Average run time is 15 to 30 minutes per gel
- Layout of wells allows a run length of 18 mm per sample, providing ideal separation

Model	shiroGEL horizontal 96 (1 mm, 1 marker)
Gel size W×L (mm)	100×120
Sample capacity	96 samples plus 1 marker lane
Buffer volume (ml)	300
Unit W×L×H (mm)	220×125×90

Description	Pk	Cat. No.
shiroGEL horizontal 96 system, including comb block (12×8-sample, assembled, comb thickness 1,0 mm, 1 marker lane)	1	730-0340

Description	Pk	Cat. No.
Combs for shiroGEL horizontal 96		
Comb, 8-sample (multichannel pipette compatible), 1,0 mm thick, 1 marker lane	1	730-0344
Accessories		
96-well gel tray, 100×120 mm	1	730-0352



MINI GEL II ELECTROPHORESIS SYSTEM

The Mini Gel II is a complete electrophoresis system, which includes all components necessary to cast and run horizontal gels - gel trays, combs, casting stand, gel tank and digital power supply.

- Migration tank and gel trays are moulded for leakproof performance and long service life, and the gel box lid is vented to dissipate heat during electrophoresis
- Power supply easily disconnects from the gel box so that the gel box can be cleaned
- Mode and arrow keys on the membrane key pad make programming easy, with all parameters shown on a large digital display
- Casting sets are designed for pouring gels without the use of tape or spacers, and casting trays feature multiple slots for holding combs in place
- Electrodes are contained in cassettes to protect from damage

Supplied with gel tank, direct connection power supply, and standard gel casting set. Standard casting set includes 12,5×13 cm gel tray, 2 each 12,5×6 cm gel trays, 4 each 14/28 tooth combs (1 mm) and a casting stand. Optional Micro casting set includes 4 each 6×6 cm UV transparent gel trays, 2 each 5/8 tooth combs (1 mm) and a casting stand.

Sample capacity	112 samples (4 combs)
Capacity	1 large gel (12,5×13 cm), 2 small gels (12,5×6 cm) or 4 micro gels (6×6 cm)
Buffer tank volume (ml)	250
Max. power (W)	45
Input voltage (V)	Universal, AC 100 - 240 V, 50/60 Hz
Output current range/increments (mA)	10 - 400
Output voltage (V)	10 - 150
Memory	Last parameters saved in memory
Safety	Microsensor (Hall effect) in power supply, no output without safety lid in place, automatic crossover, no load and load change detection
Timer	Max. 99 h, 59 min or continuous, audible alert at end of run
Tank W×D×H (mm)	183×164×560
Unit W×L×H (mm)	245×170×620

Description	Pk	Cat. No.
Mini Gel II complete electrophoresis system, EU plug	1	700-0003
Mini Gel II complete electrophoresis system, UK plug	1	700-0004
Mini Gel II complete electrophoresis system, CH plug	1	700-0005

Description	Pk	Cat. No.
Accessories		
Large UV transparent gel trays, 12,5×13 cm	2	700-0006
Small UV transparent gel trays, 12,5×6 cm	2	700-0007
Micro UV transparent gel trays, 6×6 cm	4	700-0008
Micro casting set	1	700-0011
Casting stand	1	700-0012
Standard casting set	1	700-0013
Combs		
Gel comb, 5/8 teeth (1 mm), reversible	2	700-0010
Gel comb, 14/28 teeth (1 mm), reversible	2	700-0009