

GELMARINER

For DNA and protein separation

GELMARINER-R

For RNA, DNA and protein separation

System has higher resistance to cleaning agents

GELMARINER-RC

For RNA, DNA and protein separation

System has higher resistance to cleaning agents with ports for cooling and buffer solution



Gelmariner

- ✓ **UV-transparent tray with gel gripping design**
- ✓ **Uni-directional migration**
- ✓ **Tray available in different lengths upto 20 cm**

- ✓ **Gel sizes: 10 (w) X 10, 15#, 20 (l) cm**
- ✓ **No. of samples: [1-30] x 8 combs**
- ✓ **Buffer requirement: 400 mL**
#with ready-to-use system

Features of this apparatus

Leak-Proof

- Buffer does not leak through plastic joints as bonding is done with special glues manufactured in-house
- Crazeing of plastic minimized as high quality plastic tolerates short exposure to cleaning reagents used in RNA analysis

Rugged

- Electrodes do not break as they are thick and platinum is >99.9% pure
- No electrolytic corrosion of male connector as base is resin filled
- Metal screws on comb-stands that do not break with extensive usage

Error Minimization

- Wells do not break as comb-stand will not move sideways during comb removal
- Samples migrate correctly due to uni-directional migration feature & colour coding
- Sample migration is straight as combstand & tray are aligned & locked in place

Sensitivity & Resolution

- UV-transparent tray has more than 95% UV transparency and gives enhanced sensitivity of DNA detection
- Improved band resolution as wells can be cast near the starting edge for longer running length

Economical

- Run greater number of samples using two/ four combs per tray
- Can be run higher at higher voltages for quicker runs and hence faster turn-around time
- Saves reagent & operator cost as leakage and errors are prevented

Ready-to-use system includes

	10-00152 For DNA & protein	10-00155 For DNA, RNA & protein	10-00156 For DNA, RNA & protein with cooling
1. Tank with electrodes and male connectors mounted at an angle	Y	Y	Y
2. UV-transparent tray with gel gripping design, 10 (w) x 15 (l) cm	Y	Y	Y
3. Comb stand with positioning pins and metal screws for adjusting comb height	Y	Y	Y
4. PMMA comb (15 wells, 1.5 mm thick)	Y	Y	Y
5. Gel slicer	Y	Y	Y
6. Niche cleaner	Y	Y	Y
7. Lid	Y	Y	Y
8. Electrical cords with male & female connectors designed for user safety (one pair)	Y	Y	Y
9. Instruction manual	Y	Y	Y

Ordering description

Gelmariner (10-00152): Horizontal apparatus for DNA and protein separations: with gel gripping UV-transparent tray, male connectors mounted at an angle and unidirectional migration, gel size 10 (w) x 15 (l) cm.

Gelmariner-R (10-00155): Horizontal apparatus for nucleic acid and protein separations: fabricated to tolerate cleaning reagents used in RNA analysis, with gel gripping UV-transparent tray, male connectors mounted at an angle and unidirectional migration, gel size 10 (w) x 15 (l) cm.

Gelmariner-RC (10-00156): Horizontal apparatus for nucleic acid and protein separations: fabricated to tolerate cleaning reagents used in RNA analysis, with gel gripping UV-transparent tray, male connectors mounted at an angle and unidirectional migration, ports for cooling and buffer circulation, gel size 10 (w) x 15 (l) cm.

SUGGESTION

Order along with ready-to-use system

Extra comb stand (10-07116),
Gel-casting chamber (10-25202),
Extra combs, Extra trays

Gelmariner and its spares and accessories

Item Description	Cat. No.	Unit
Gelmariner, ready-to-use system	10-00152	System
Gelmariner-R, ready-to-use system	10-00155	System
Gelmariner-RC, ready-to-use system	10-00156	System
UV-opaque tray [gel size 10 (w) x 5 (l) cm]	10-02051	Piece
UV-transparent tray of gel gripping design [gel size 10 (w) x 5 (l) cm]	10-02052	Piece
UV-opaque tray [gel size 10 (w) x 10 (l) cm]	10-02101	Piece
UV-transparent tray of gel gripping design [gel size 10 (w) x 10 (l) cm]	10-02102	Piece
UV-opaque tray [gel size 10 (w) x 15 (l) cm]	10-02151	Piece
UV-transparent tray of gel gripping design [gel size 10 (w) x 15 (l) cm]	10-02152	Piece
UV-opaque tray [gel size 10 (w) x 20 (l) cm]	10-02201	Piece
UV-transparent tray of gel gripping design [gel size 10 (w) x 20 (l) cm]	10-02202	Piece
Comb stand with positioning pins and metal screws for adjusting comb height	10-07116	Piece
Comb 1 mm thick , PMMA, 7 wells/ 98 mm	10-09071	Piece
Comb 1.5 mm thick , PMMA, 7 wells/ 98 mm	10-09072	Piece
Comb 2 mm thick , PMMA, 7 wells/ 98 mm	10-09073	Piece
Comb 1 mm thick multichannel pipette compatible, PMMA, 10 wells/ 98 mm	10-09101	Piece
Comb 1.5 mm thick multichannel pipette compatible, PMMA, 10 wells/ 98 mm	10-09102	Piece
Comb 2 mm thick multichannel pipette compatible, PMMA, 10 wells/ 98 mm	10-09103	Piece
Comb 1 mm thick , PMMA, 15 wells/ 98 mm	10-09151	Piece
Comb 1.5 mm thick , PMMA, 15 wells/ 98 mm	10-09152	Piece
Comb 2 mm thick , PMMA, 15 wells/ 98 mm	10-09153	Piece
Comb 1 mm thick , PMMA, 16 wells/ 98 mm	10-09161	Piece
Comb 1.5 mm thick , PMMA, 16 wells/ 98 mm	10-09162	Piece
Comb 2 mm thick , PMMA, 16 wells/ 98 mm	10-09163	Piece
Comb 1 mm thick , PMMA, 21 wells/ 98 mm	10-09211	Piece
Comb 1.5 mm thick , PMMA, 21 wells/ 98 mm	10-09212	Piece
Comb 2 mm thick , PMMA, 21 wells/ 98 mm	10-09213	Piece
Comb 1 mm thick , PMMA, 24 wells/ 98 mm	10-09241	Piece
Comb 1.5 mm thick , PMMA, 24 wells/ 98 mm	10-09242	Piece
Comb 2 mm thick , PMMA, 24 wells/ 98 mm	10-09243	Piece
Comb 1 mm thick , PMMA, 30 wells/ 98 mm	10-09301	Piece
Comb 1.5 mm thick , PMMA, 30 wells/ 98 mm	10-09302	Piece
Comb 2 mm thick , PMMA, 30 wells/ 98 mm	10-09303	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 1 wells/ 98 mm	10-PS101	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder in the centre/ 98 mm	10-PM102	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder at the end/ 98 mm	10-PS102	Piece
Comb, preparative 2 mm thick, PMMA, 2 + 2 wells, ladder at both the ends/ 98 mm	10-PS202	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder in the centre/ 98 mm	10-PM104	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder at the end/ 98 mm	10-PS104	Piece
Comb, preparative 2 mm thick, PMMA, 2 + 4 wells, ladder at both the ends/ 98 mm	10-PS204	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder in the centre/ 98 mm	10-PM106	Piece
Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder at the end/ 98 mm	10-PS106	Piece
Comb, preparative 2 mm thick, PMMA, 2 + 6 wells, ladder at both the ends/ 98 mm	10-PS206	Piece

Item Description	Cat. No.	Unit
Gel casting chamber for tray 10 cm (w) and varying length up to 20 cm	10-25202	Piece
Screws for gel casting chamber (2 No.)	10-26088	Packet
Gel slicer, breakage resistant, 9.5 (w) x 20 (l) cm	63-05200	Piece
Niche cleaner	64-06075	Piece
Electrical cords with male & female connectors designed for user safety	66-40124	Pair
Penta-legged levelling table (23 x 31 cm) with spirit-level	69-41319	Set
Gelmariner tank. Replacement part for horizontal apparatus for DNA and protein separations	10-01152	Piece
Gelmariner-R tank. Replacement part for horizontal apparatus for nucleic acid and protein separations, fabricate to tolerate cleaning reagents used in RNA analysis	10-01155	Piece
Gelmariner-RC tank. Replacement part for horizontal apparatus for nucleic acid and protein separations, fabricate to tolerate cleaning reagents used in RNA analysis, with ports for buffer circulation and cooling of gel for fast electrophoresis	10-01156	Piece
Gelmariner lid. Replacement part for horizontal apparatus for DNA and protein separation.	10-10150	Piece