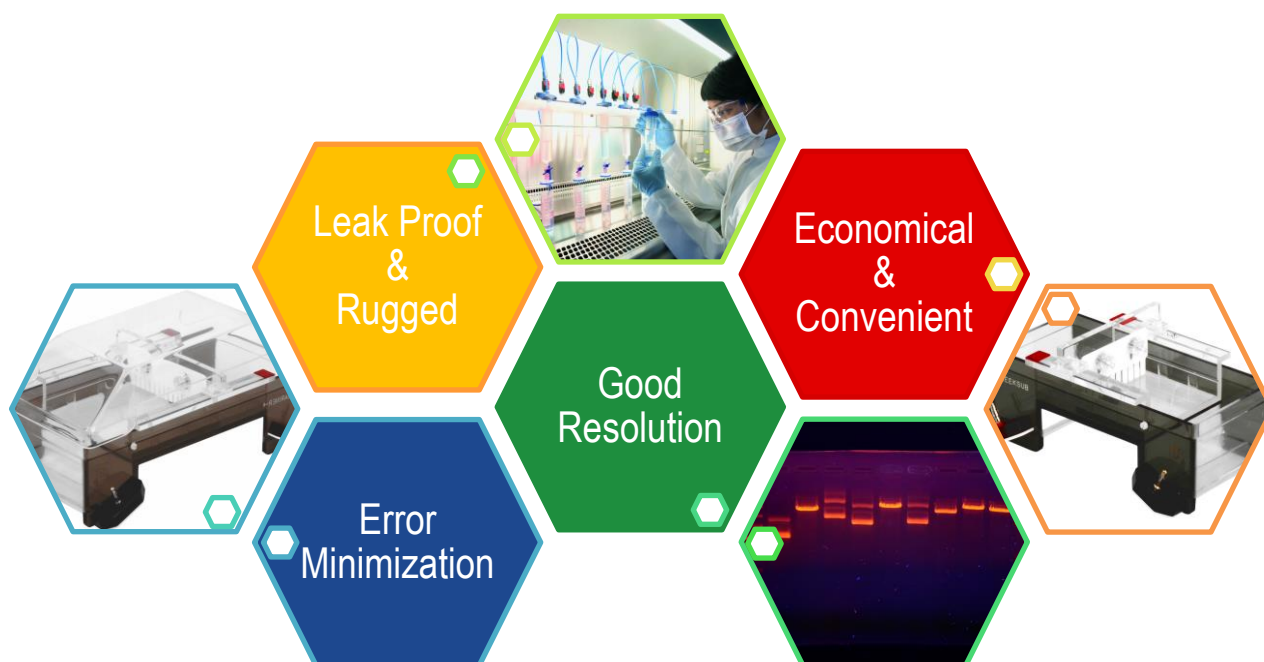


RESEARCHER RANGE
HORIZONTAL GEL APPARATUS
SALIENT FEATURES



Leak-proof

- No buffer leakage through plastic joints as sticking is done with special glues
- Crazing 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 that do not break with extensive usage

Good Resolution

- UV-transparent trays have 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

Error Minimization

- Closely spaced wells do not break as comb-stand will not move sideways during comb removal
- Samples migrate in right direction due to uni-directional migration feature and colour coding
- Sample migration is always straight as comb-stand and tray are aligned & locked in place

Economical

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

Convenient

- Multichannel micropipette compatible combs available
- Cast lower percentage gels as comb height can be adjusted
- Gels do not slip out in the UV-transparent gel gripping trays

RESEARCHER RANGE HORIZONTAL GEL APPARATUS SELECTION GUIDE

| Model | For DNA & protein separation | For DNA, RNA & protein separation | With cooling and buffer circulation | Gel size Width x Length (in cm) | Max. no. of samples | No of wells/ comb (in ready to use system) | Max. no. of wells/ comb available | Recommended power supply* |
|------------------------|------------------------------|-----------------------------------|-------------------------------------|---|---------------------|--|-----------------------------------|---------------------------|
| SLEEKSUB | Y | - | - | 7 x 5 | 120 | 10 | 20 | Electragel - 100 |
| SLEEKSUB-R | Y | Y | - | 7 x 10 | | | | |
| | | | | 7 x 15 | | | | |
| GELMARINER | Y | - | - | 10 x 5 10 x 10 10 x 15 10 x 20 | 240 | 15 | 30 | Electraprime |
| GELMARINER-R | Y | Y | - | | | | | |
| GELMARINER-RC | Y | Y | Y | | | | | |
| GREYHOUND | Y | - | - | 15 x 5 15 x 10 15 x 15 15 x 20 15 x 25 | 495 | 24 | 45 | Electraprime |
| GREYHOUND-R | Y | Y | - | | | | | |
| GREYHOUND-RC | Y | Y | Y | | | | | |
| GREYHOUND-Mini | Y | Y | - | 15 x 5 15 x 10 | 180 | | | |
| SUBMARINER | Y | - | - | 23 x 5 23 x 10 23 x 15 23 x 20 23 x 25 | 770 | 36 | 70 | Electracomet |
| SUBMARINER-R | Y | Y | - | | | | | |
| SUBMARINER-RC | Y | Y | Y | | | | | |
| SUBMARINER-Mini | Y | Y | - | 23 x 5 23 x 10 23 x 15 | 420 | | | |
| GREYWHALE | Y | - | - | 30 x 5 30 x 10 30 x 15 30 x 20 30 x 25 30 x 30 | 1288 | 54 | 92 | Electracomet |
| GREYWHALE-R | Y | Y | - | | | | | |
| GREYWHALE-RC | Y | Y | Y | | | | | |
| GREYWHALE-Mini | Y | Y | - | 30 x 5 30 x 10 30 x 15 | 552 | | | |

Refer to the website for the complete table

-R These equipment are meant for RNA analysis as they have better tolerance to cleaning agents

-RC These equipment have provisions for cooling the gel and for buffer circulation. They are also meant for RNA analysis as they have better tolerance to cleaning agents

* Power supply is not included in the ready-to-use system

Some combs are available with well spacing compatible with multi-channel micropipettes
The number of combs per gel and wells per comb are for our standard range of products
User defined trays, combs and accessories can be custom fabricated

SLEEKSUB

For DNA and protein separation

SLEEKSUB-R

For RNA, DNA and protein separation

System has higher resistance to cleaning agents



Sleeksub

- ✓ UV-transparent tray with gel gripping design
- ✓ Uni-directional migration
- ✓ Trays available in different lengths upto 15 cm

- ✓ Gel sizes: 7 (w) X 5, 10#, 15 (l) cm
- ✓ No. of samples: [1-20] x 6 combs
- ✓ Buffer requirement: 270 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

08-00102
For DNA & protein

08-00105
For DNA, RNA & protein

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

Ordering description

Sleeksub (08-00102): Horizontal apparatus for DNA and protein separations: with gel gripping UV-transparent tray, male connectors mounted at an angle and unidirectional migration, gel size 7 (w) x 10 (l) cm.

Sleeksub-R (08-00103): 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 7 (w) x 10 (l) cm.

SUGGESTION

Order along with ready-to-use system

Extra comb stands (08-07870),
Gel-casting chamber (08-25152),
Extra combs, Extra Trays

Sleeksub and its spares and accessories

| Item Description | Cat. No. | Unit |
|---|----------|--------|
| Sleeksub, ready-to-use system | 08-00102 | System |
| Sleeksub-R, ready-to-use system | 08-00105 | System |
| UV-opaque tray [gel size 7 (w) x 5 (l) cm] | 08-02051 | Piece |
| UV-transparent tray of gel gripping design [gel size 7 (w) x 5 (l) cm] | 08-02052 | Piece |
| UV-opaque tray [gel size 7 (w) x 10 (l) cm] | 08-02101 | Piece |
| UV-transparent tray of gel gripping design [gel size 7 (w) x 10 (l) cm] | 08-02102 | Piece |
| UV-opaque tray [gel size 3 (w) x 5 (l) cm] | 08-03051 | Piece |
| UV-transparent tray of gel gripping design [gel size 3 (w) x 5 (l) cm] | 08-03052 | Piece |
| UV-opaque tray [gel size 3 (w) x 10 (l) cm] | 08-03101 | Piece |
| UV-transparent tray of gel gripping design [gel size 3 (w) x 10 (l) cm] | 08-02104 | Piece |
| UV-opaque tray [gel size 7 (w) x 15 (l) cm] | 08-02151 | Piece |
| UV-transparent tray of gel gripping design [gel size 7 (w) x 15 (l) cm] | 08-02152 | Piece |
| Comb stand with positioning pins and metal screws for adjusting comb height | 08-07870 | Piece |
| Comb, winged, 1.5 mm thick, 4 wells/ 68 mm for Sleeksub | 08-10042 | Piece |
| Comb 1 mm thick, PMMA, 10 wells/ 68 mm | 08-09101 | Piece |
| Comb 1.5 mm thick, PMMA, 10 wells/ 68 mm | 08-09102 | Piece |
| Comb 2 mm thick, PMMA, 10 wells/ 68 mm | 08-09103 | Piece |
| Comb 1 mm thick, PMMA, 13 wells/ 68 mm | 08-09131 | Piece |
| Comb 1.5 mm thick, PMMA, 13 wells/ 68 mm | 08-09132 | Piece |
| Comb 2 mm thick, PMMA, 13 wells/ 68 mm | 08-09133 | Piece |
| Comb 1 mm thick, multichannel pipette compatible, PMMA, 15 wells/ 68 mm | 08-09151 | Piece |
| Comb 1.5 mm thick, multichannel pipette compatible, PMMA, 15 wells/ 68 mm | 08-09152 | Piece |
| Comb 2 mm thick, multichannel pipette compatible, PMMA, 15 wells/ 68 mm | 08-09153 | Piece |
| Comb 1 mm thick, PMMA, 16 wells/ 68 mm | 08-09161 | Piece |
| Comb 1.5 mm thick, PMMA, 16 wells/ 68 mm | 08-09162 | Piece |
| Comb 2 mm thick, PMMA, 16 wells/ 68 mm | 08-09163 | Piece |
| Comb 1 mm thick, PMMA, 20 wells/ 68 mm | 08-09201 | Piece |
| Comb 1.5 mm thick, PMMA, 20 wells/ 68 mm | 08-09202 | Piece |
| Comb 2 mm thick, PMMA, 20 wells/ 68 mm | 08-09203 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 1 wells/ 68 mm for Sleeksub | 08-PS101 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder in the centre/ 68 mm for Sleeksub | 08-PM102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder at the end/ 68 mm for Sleeksub | 08-PS102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder in the centre/ 68 mm for Sleeksub | 08-PM104 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder at the end/ 68 mm for Sleeksub | 08-PS104 | Piece |
| Gel casting chamber for tray 7 cm (w) and varying length upto 15 cm | 08-25152 | Piece |
| Screws for gel casting chamber (2 No.) | 08-26088 | Packet |
| Gel slicer, breakage resistant, 6.5 (w) x 15 (l) cm | 63-05150 | Piece |
| Niche cleaner | 64-06075 | Piece |
| Electrical cords with male & female connectors designed for user safety | 66-40124 | Pair |
| Penta-legged levelling table (21 x 21 cm) with spirit-level | 69-41219 | Set |
| Sleeksub tank. Replacement part for horizontal apparatus for DNA & protein separations | 08-01102 | Piece |
| Sleeksub-R tank. Replacement part for horizontal apparatus for DNA, RNA & protein separations | 08-01105 | Piece |
| Sleeksub lid. Replacement part for horizontal apparatus for DNA & protein separations | 08-07100 | Piece |

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
- Cracking 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

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

| 10-00152 For DNA & protein | 10-00155 For DNA, RNA & protein | 10-00156 For DNA, RNA & protein with cooling |
|-------------------------------|------------------------------------|---|
| Y | Y | Y |
| Y | Y | Y |
| Y | Y | Y |
| Y | Y | Y |
| Y | Y | Y |
| Y | Y | Y |
| Y | Y | Y |
| 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 |

GREYHOUND

Gel size: 15 (w) x 5, 10, 15, 20#, 25 (l) cm

For DNA and protein separation

GREYHOUND-R

Gel size: 15 (w) x 5, 10, 15, 20#, 25 (l) cm

For RNA, DNA and protein separation

System has higher resistance to cleaning agents

GREYHOUND-RC

Gel size: 15 (w) x 5, 10, 15, 20#, 25 (l) cm

For RNA, DNA and protein separation

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



Greyhound

GREYHOUND-Mini

Gel size: 15 (w) x 5, 10# (l) cm

For RNA, DNA and protein separation

- ✓ **UV-transparent tray with gel gripping design**
- ✓ **Uni-directional migration**
- ✓ **Comb with teeth spacing compatible with multi-channel micropipettes available**

- ✓ **No. of samples (standard): [1-45] x 11 combs**
- ✓ **No. of samples (mini): [1-45] x 4 combs**
- ✓ **Buffer requirement: 1000 mL (standard), 800 mL (mini)**

#gel size 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
- Cracking 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 runs as leakage and errors are prevented

Ready-to-use system includes

| | 09-00202 For DNA & protein | 09-00205 For DNA, RNA & protein | 09-00206 For DNA, RNA & protein with cooling | 09-00203 For DNA, RNA & protein |
|---|----------------------------------|---------------------------------------|---|---------------------------------------|
| 1. Tank with electrodes and male connectors mounted at an angle | Y | Y | Y | Y |
| 2. UV-transparent tray with gel gripping design, 15 (w) x 20 (l) cm | Y | Y | Y | - |
| 3. UV-transparent tray with gel gripping design, 15 (w) x 10 (l) cm | - | - | - | Y |
| 4. Comb stand with positioning pins and metal screws for adjusting comb height | Y | Y | Y | Y |
| 5. PMMA comb (24 wells, 1.5 mm thick) | Y | Y | Y | Y |
| 6. Gel slicer | Y | Y | Y | Y |
| 7. Niche cleaner | Y | Y | Y | Y |
| 8. Lid | Y | Y | Y | Y |
| 9. Electrical cords with male & female connectors designed for user safety (one pair) | Y | Y | Y | Y |
| 10. Instruction manual | Y | Y | Y | Y |

Ordering description

Greyhound (09-00202): Horizontal apparatus for DNA and protein separations with gel gripping UV-transparent tray, male connectors mounted at an angle, and uni-directional migration, gel size 15 (w) x 20 (l) cm.

Greyhound-R (09-00205): 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 uni-directional migration, gel size 15(w) x 20 (l) cm.

Greyhound-RC (09-00206): 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 uni-directional migration, ports for cooling and buffer circulation, gel size 15(w) x 20 (l) cm.

Greyhound-Mini (09-00203): 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 uni-directional migration, gel size 15 (w) x 10 (l) cm.

SUGGESTION

Order along with ready-to-use system

Extra comb stands (09-07171),
Gel-casting chamber (09-25252),
Extra combs & Extra Trays

Greyhound and its spares and accessories

| Item Description | Cat. No. | Unit |
|---|----------|--------|
| Greyhound, ready-to-use system | 09-00202 | System |
| Greyhound-R, ready-to-use system | 09-00205 | System |
| Greyhound-RC, ready-to-use system | 09-00206 | System |
| Greyhound-Mini, ready-to-use system | 09-00203 | System |
| UV-opaque tray [gel size 15 (w) x 5 (l) cm] | 09-02051 | Piece |
| UV-transparent tray of gel gripping design [gel size 15 (w) x 5 (l) cm] | 09-02052 | Piece |
| UV-opaque tray [gel size 15 (w) x 10 (l)] | 09-02101 | Piece |
| UV-transparent tray of gel gripping design [gel size 15 (w) x 10 (l)] | 09-02102 | Piece |
| UV-opaque tray [gel size 15 (w) x 15 (l) cm] | 09-02151 | Piece |
| UV-transparent tray of gel gripping design [gel size 15 (w) x 15 (l) cm] | 09-02152 | Piece |
| UV-opaque tray [gel size 15 (w) x 20 (l) cm] | 09-02201 | Piece |
| UV-transparent tray of gel gripping design [gel size 15 (w) x 20 (l) cm] | 09-02202 | Piece |
| UV-opaque tray [size 15 (w) x 25 (l) cm]gel | 09-02251 | Piece |
| UV-transparent tray of gel gripping design [gel size 15 (w) x 25 (l) cm] | 09-02252 | Piece |
| UV-opaque tray [size 15 (w) x 22 (l) cm stringed at 2.5 cm intervals] and replacement lid for paper electrophoresis | 09-02223 | Set |
| Comb stand with positioning pins and metal screws for adjusting comb height | 09-07171 | Piece |
| Comb 1 mm thick , PMMA, 12 wells/ 148 mm | 09-09121 | Piece |
| Comb 1.5 mm thick , PMMA, 12 wells/ 148 mm | 09-09122 | Piece |
| Comb 2 mm thick , PMMA, 12 wells/ 148 mm | 09-09123 | Piece |
| Comb 1 mm thick ,multichannel pipette compatible, PMMA, 17 wells/ 148 mm | 09-09171 | Piece |
| Comb 1.5 mm thick ,multichannel pipette compatible, PMMA, 17 wells/ 148 mm | 09-09172 | Piece |
| Comb 2 mm thick ,multichannel pipette compatible, PMMA, 17 wells/ 148 mm | 09-09173 | Piece |
| Comb 1 mm thick , PMMA, 24 wells/ 148 mm | 09-09241 | Piece |
| Comb 1.5 mm thick , PMMA, 24 wells/ 148 mm | 09-09242 | Piece |
| Comb 2 mm thick , PMMA, 24 wells/ 148 mm | 09-09243 | Piece |
| Comb 1 mm thick , PMMA, 28 wells/ 148 mm | 09-09281 | Piece |
| Comb 1.5 mm thick , PMMA, 28 wells/ 148 mm | 09-09282 | Piece |
| Comb 2 mm thick , PMMA, 28 wells/ 148 mm | 09-09283 | Piece |
| Comb 1 mm thick ,multichannel pipette compatible, PMMA, 33 wells/ 148 mm | 09-09331 | Piece |

| Item Description | Cat. No. | Unit |
|---|----------|--------|
| Comb 1.5 mm thick ,multichannel pipette compatible, PMMA, 33 wells/ 148 mm | 09-09332 | Piece |
| Comb 2 mm thick ,multichannel pipette compatible, PMMA, 33 wells/ 148 mm | 09-09333 | Piece |
| Comb 1 mm thick , PMMA, 36 wells/ 148 mm | 09-09361 | Piece |
| Comb 1.5 mm thick , PMMA, 36 wells/ 148 mm | 09-09362 | Piece |
| Comb 2 mm thick , PMMA, 36 wells/ 148 mm | 09-09363 | Piece |
| Comb 1 mm thick , PMMA, 45 wells/ 148 mm | 09-09451 | Piece |
| Comb 1.5 mm thick , PMMA, 45 wells/ 148 mm | 09-09452 | Piece |
| Comb 2 mm thick , PMMA, 45 wells/ 148 mm | 09-09453 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 1 wells/ 148 mm | 09-PS101 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder in the centre/ 148 mm | 09-PM102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder at the end/ 148 mm | 09-PS102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 2 wells, ladder at both the ends/ 148 mm | 09-PS202 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder in the centre/ 148 mm | 09-PM104 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder at the end/ 148 mm | 09-PS104 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 4 wells, ladder at both the ends/ 148 mm | 09-PS204 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder in the centre/ 148 mm | 09-PM106 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder at the end/ 148 mm | 09-PS106 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 6 wells, ladder at both the ends/ 148 mm | 09-PS206 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 8 wells, ladder in the centre/ 148 mm | 09-PM108 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 8 wells, ladder at the end/ 148 mm | 09-PS108 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 8 wells, ladder at both the ends/ 148 mm | 09-PS208 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 10 wells, ladder in the centre/ 148 mm | 09-PM110 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 10 wells, ladder at the end/ 148 mm | 09-PS110 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 10 wells, ladder at both the ends/ 148 mm | 09-PS210 | Piece |
| Gel casting chamber for tray 15 cm (w) and varying length up to 25 cm | 09-25252 | Piece |
| Screws for gel casting chamber (2 No.) | 09-26088 | Packet |
| Gel slicer, breakage resistant, 14.5 (w) x 25 (l) cm | 63-05250 | Piece |
| Niche cleaner | 64-06075 | Piece |
| Electrical cords with male & female connectors designed for user safety | 66-40124 | Pair |
| Penta-legged levelling table (28 x 45 cm) with spirit-level | 69-41459 | Set |
| Greyhound tank. Replacement part for horizontal apparatus for DNA and protein separations | 09-01202 | Piece |
| Greyhound-R tank. Replacement part for horizontal apparatus for nucleic acid and protein separations, fabricate to tolerate cleaning reagents used in RNA analysis | 09-01205 | Piece |
| Greyhound-RC tank. Replacements 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 | 09-01206 | Piece |
| Greyhound-mini tank. Replacement part for horizontal apparatus for DNA and protein separations | 09-01203 | Piece |
| Greyhound lid. Replacement part for horizontal apparatus for DNA and protein separation | 09-15200 | Piece |
| Greyhound-mini lid. Replacement part for horizontal apparatus for DNA and protein separation | 09-15201 | Piece |

SUBMARINER

Gel size: 23 (w) x 5, 10, 15, 20[#], 25 (l) cm

For DNA and protein separation

SUBMARINER-R

Gel size: 23 (w) x 5, 10, 15, 20[#], 25 (l) cm

For RNA, DNA and protein separation

System has higher resistance to cleaning agents

SUBMARINER-RC

Gel size: 23 (w) x 5, 10, 15, 20[#], 25 (l) cm

For RNA, DNA and protein separation

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



Submariner (representational image)

SUBMARINER-Mini

Gel size: 23 (w) x 5, 10, 15[#] (l) cm

For RNA, DNA and protein separation

- ✓ **UV-transparent tray with gel gripping design**
- ✓ **Uni-directional migration**
- ✓ **Comb with teeth spacing compatible with multi-channel micropipettes available**

- ✓ **No. of samples (standard): [1-70] x 11 combs**
- ✓ **No. of samples (mini): [1-70] x 6 combs**
- ✓ **Buffer requirement: 1800 mL (standard), 1000 mL (mini)**

[#]gel size 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
- Cracking 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

| | 17-00232 For DNA & protein | 17-00235 For DNA, RNA & protein | 17-00236 For DNA, RNA & protein with cooling | 17-00233 For DNA, RNA & protein |
|---|----------------------------------|---------------------------------------|---|---------------------------------------|
| 1. Tank with electrodes and male connectors mounted at an angle | Y | Y | Y | Y |
| 2. UV-transparent tray with gel gripping design, 23 (w) x 20 (l) cm | Y | Y | Y | - |
| 3. UV-transparent tray with gel gripping design, 23 (w) x 15 (l) cm | - | - | - | Y |
| 4. Comb stand with positioning pins and metal screws for adjusting comb height | Y | Y | Y | Y |
| 5. PMMA comb (54 wells, 1.5 mm thick) | Y | Y | Y | Y |
| 6. Gel slicer | Y | Y | Y | Y |
| 7. Niche cleaner | Y | Y | Y | Y |
| 8. Lid | Y | Y | Y | Y |
| 9. Electrical cords with male & female connectors designed for user safety (one pair) | Y | Y | Y | Y |
| 10. Instruction manual | Y | Y | Y | Y |

Ordering description

Submariner (17-00232): 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 uni-directional migration, gel size 23 (w) x 25 (l) cm.

Submariner-R (17-00235): 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 uni-directional migration, gel size 23 (w) x 25 (l) cm.

Submariner-RC (17-00236): 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 uni-directional migration, ports for cooling and buffer circulation, gel size 23 (w) x 25 (l) cm.

Submariner-mini (17-00233): 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 uni-directional migration, ports for cooling and buffer circulation, gel size 23 (w) x 15 (l) cm.

SUGGESTION

Order along with ready-to-use system

Extra Comb stands (17-07171),
Gel-casting chamber (17-25252),
Extra combs, Extra trays

Submariner and its spares and accessories

| Item Description | Cat. No. | Unit |
|---|----------|--------|
| Submariner, ready-to-use system | 17-00232 | System |
| Submariner-R, ready-to-use system | 17-00235 | System |
| Submariner-RC, ready-to-use system | 17-00236 | System |
| Submariner-mini, ready-to-use system | 17-00233 | System |
| UV-opaque tray [gel size 23 (w) x 5 (l) cm] | 17-02051 | Piece |
| UV-transparent tray of gel gripping design [gel size 23 (w) x 5 (l) cm] | 17-02052 | Piece |
| UV-opaque tray [gel size 23 (w) x 10 (l) cm] | 17-02101 | Piece |
| UV-transparent tray of gel gripping design [gel size 23 (w) x 10 (l) cm] | 17-02102 | Piece |
| UV-opaque tray [gel size 23 (w) x 15 (l) cm] | 17-02151 | Piece |
| UV-transparent tray of gel gripping design [gel size 23 (w) x 15 (l) cm] | 17-02152 | Piece |
| UV-opaque tray [gel size 23 (w) x 20 (l) cm] | 17-02201 | Piece |
| UV-transparent tray of gel gripping design [gel size 23 (w) x 20 (l) cm] | 17-02202 | Piece |
| Comb stand with positioning pins and metal screws for adjusting comb height | 17-07171 | Piece |
| Comb 1 mm thick, PMMA, 17 wells/228 mm | 17-09171 | Piece |
| Comb 1.5 mm thick, PMMA, 17 wells/ 228 mm | 17-09172 | Piece |
| Comb 2 mm thick, PMMA, 17 wells/ 228 mm | 17-09173 | Piece |
| Comb 1 mm thick, multichannel pipette compatible, PMMA, 26 wells/228 mm | 17-09261 | Piece |
| Comb 1.5 mm thick, multichannel pipette compatible, PMMA, 26 wells/228 mm | 17-09262 | Piece |
| Comb 2 mm thick, multichannel pipette compatible, PMMA, 26 wells/228 mm | 17-09263 | Piece |
| Comb 1 mm thick, PMMA, 37 wells/228 mm | 17-09371 | Piece |
| Comb 1.5 mm thick, PMMA, 37 wells/ 228 mm | 17-09372 | Piece |
| Comb 2 mm thick, PMMA, 37 wells/ 228 mm | 17-09373 | Piece |
| Comb 1 mm thick, PMMA, 40 wells/228 mm | 17-09401 | Piece |
| Comb 1.5 mm thick, PMMA, 40 wells/ 228 mm | 17-09402 | Piece |
| Comb 2 mm thick, PMMA, 40 wells/ 228 mm | 17-09403 | Piece |

| Item Description | Cat. No. | Unit |
|---|----------|--------|
| Comb 1 mm thick , multichannel pipette compatible, PMMA, 50 wells/228 mm | 17-09501 | Piece |
| Comb 1.5 mm thick , multichannel pipette compatible, PMMA, 50 wells/228 mm | 17-09502 | Piece |
| Comb 2 mm thick , multichannel pipette compatible, PMMA, 50 wells/228 mm | 17-09503 | Piece |
| Comb 1 mm thick , PMMA, 70 wells/228 mm | 17-09701 | Piece |
| Comb 1.5 mm thick , PMMA, 70 wells/ 228 mm | 17-09702 | Piece |
| Comb 2 mm thick , PMMA, 70 wells/ 228 mm | 17-09703 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 1 wells/ 228 mm | 17-PS101 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder in the centre/ 228 mm | 17-PM102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 2 wells, ladder at the end/ 228 mm | 17-PS102 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 2 wells, ladder at both the ends/ 228 mm | 17-PS202 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder in the centre/ 228 mm | 17-PM104 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 4 wells, ladder at the end/ 228 mm | 17-PS104 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 4 wells, ladder at both the ends/ 228 mm | 17-PS204 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder in the centre/ 228 mm | 17-PM106 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 6 wells, ladder at the end/ 228 mm | 17-PS106 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 6 wells, ladder at both the ends/ 228 mm | 17-PS206 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 8 wells, ladder in the centre/ 228 mm | 17-PM108 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 8 wells, ladder at the end/ 228 mm | 17-PS108 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 8 wells, ladder at both the ends/ 228 mm | 17-PS208 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 10 wells, ladder in the centre/ 228 mm | 17-PM110 | Piece |
| Comb, preparative 2 mm thick, PMMA, 1 + 10 wells, ladder at the end/ 228 mm | 17-PS110 | Piece |
| Comb, preparative 2 mm thick, PMMA, 2 + 10 wells, ladder at both the ends/ 228 mm | 17-PS210 | Piece |
| Gel casting chamber for tray 23 cm (w) and varying length up to 25 cm | 17-25252 | Piece |
| Screws for gel casting chamber (2 No.) | 17-26088 | Packet |
| Gel slicer, breakage resistant, 22.5 (w) x 25 (l) cm | 63-05270 | Piece |
| Niche cleaner | 64-06075 | Piece |
| Electrical cords with male & female connectors designed for user safety | 66-40124 | Pair |
| Penta-legged levelling table (28 x 45 cm) with spirit-level | 69-41459 | Set |
| Submariner tank. Replacement part for horizontal apparatus for DNA and protein separations | 17-01232 | Piece |
| Submariner-R tank. Replacement part for horizontal apparatus for nucleic acid and protein separations, fabricate to tolerate cleaning reagents used in RNA analysis | 17-01235 | Piece |
| Submariner-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 | 17-01236 | Piece |
| Submariner-mini tank. Replacement part for horizontal apparatus for DNA and protein separations | 17-01233 | Piece |
| Submariner lid. Replacement part for horizontal apparatus for DNA and protein separation | 17-12320 | Piece |
| Submariner-mini lid. Replacement part for horizontal apparatus for DNA and protein separation | 17-12321 | Piece |

GREYWHALE

Gel size: 30 (w) x 5, 10, 15, 20, 25, 30[#] (l) cm

For DNA and protein separation

GREYWHALE-R

Gel size: 30 (w) x 5, 10, 15, 20, 25, 30[#] (l) cm

For RNA, DNA and protein separation

System has higher resistance to cleaning agents

GREYWHALE-RC

Gel size: 30 (w) x 5, 10, 15, 20, 25, 30[#] (l) cm

For RNA, DNA and protein separation

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



Greywhale (representational image)

GREYWHALE-Mini

Gel size: 30 (w) x 5, 10, 15[#] (l) cm

For RNA, DNA and protein separation

- ✓ **UV-transparent tray with gel gripping design**
 - ✓ **Uni-directional migration**
 - ✓ **Comb with teeth spacing compatible with multi-channel micropipettes available**
-
- ✓ **No. of samples (standard): [1-92] x 14 combs**
 - ✓ **No. of samples (mini): [1-92] x 6 combs**
 - ✓ **Buffer requirement: 2000 mL (standard), 1500 mL (mini)**

**gel size 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
- Cracking 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

| | 12-00302 For DNA & protein | 12-00305 For DNA, RNA & protein | 12-00306 For DNA, RNA & protein with cooling | 12-00303 For DNA, RNA & protein |
|---|----------------------------------|---------------------------------------|---|---------------------------------------|
| 1. Tank with electrodes and male connectors mounted at an angle | Y | Y | Y | Y |
| 2. UV-transparent tray with gel gripping design, 30 (w) x 30 (l) cm | Y | Y | Y | - |
| 3. UV-transparent tray with gel gripping design, 30 (w) x 15 (l) cm | - | - | - | Y |
| 4. Comb stand with positioning pins and metal screws for adjusting comb height | Y | Y | Y | Y |
| 5. PMMA comb (54 wells, 1.5 mm thick) | Y | Y | Y | Y |
| 6. Gel slicer | Y | Y | Y | Y |
| 7. Niche cleaner | Y | Y | Y | Y |
| 8. Lid | Y | Y | Y | Y |
| 9. Electrical cords with male & female connectors designed for user safety (one pair) | Y | Y | Y | Y |
| 10. Instruction manual | Y | Y | Y | Y |

Ordering description

Greywhale (12-00302): Horizontal apparatus for DNA 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 uni-directional migration, gel size 30 (w) x 30 (l) cm.

Greywhale-R (12-00305): 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 uni-directional migration, gel size 30 (w) x 30 (l) cm.

Greywhale-RC (12-00306): 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 uni-directional migration, ports for cooling and buffer circulation, gel size 30 (w) x 30 (l) cm.

Greywhale-mini (12-00303): 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 uni-directional migration, gel size 30 (w) x 15 (l) cm.

SUGGESTION

Order along with ready-to-use system

Extra Comb stands (12-07171),
Gel-casting chamber (12-25302),
Extra combs, Extra trays

Greywhale and its spares and accessories

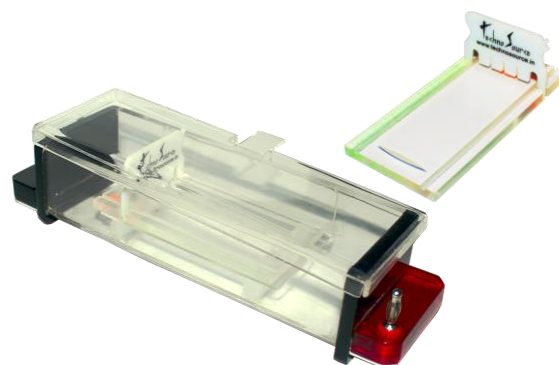
| Item Description | Cat. No. | Unit |
|--|----------|--------|
| Greywhale, ready-to-use system | 12-00302 | System |
| Greywhale-R, ready-to-use system | 12-00305 | System |
| Greywhale-RC, ready-to-use system | 12-00306 | System |
| Greywhale-mini, ready-to-use system | 12-00303 | System |
| UV-opaque tray [gel size 25 (w) x 5 (l) cm] | 12-03051 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 5 (l) cm] | 12-03052 | Piece |
| UV-opaque tray [gel size 25 (w) x 10 (l) cm] | 12-03101 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 10 (l) cm] | 12-03102 | Piece |
| UV-opaque tray [gel size 25 (w) x 15 (l) cm] | 12-03151 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 15 (l) cm] | 12-03152 | Piece |
| UV-opaque tray [gel size 25 (w) x 20 (l) cm] | 12-03201 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 20 (l) cm] | 12-03202 | Piece |
| UV-opaque tray [gel size 25 (w) x 25 (l) cm] | 12-03251 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 25 (l) cm] | 12-03252 | Piece |
| UV-opaque tray [gel size 25 (w) x 30 (l) cm] | 12-03301 | Piece |
| UV-transparent tray of gel gripping design [gel size 25 (w) x 30 (l) cm] | 12-03302 | Piece |
| UV-opaque tray [gel size 30 (w) x 5 (l) cm] | 12-02051 | Piece |
| UV-transparent tray of gel gripping design [gel size 30 (w) x 5 (l) cm] | 12-02052 | Piece |
| UV-opaque tray [gel size 30 (w) x 10 (l) cm] | 12-02101 | Piece |
| UV-transparent tray of gel gripping design [gel size 30 (w) x 10 (l) cm] | 12-02102 | Piece |
| UV-opaque tray [gel size 30 (w) x 15 (l) cm] | 12-02151 | Piece |
| UV-transparent tray of gel gripping design [gel size 30 (w) x 15 (l) cm] | 12-02152 | Piece |
| UV-opaque tray [gel size 30 (w) x 20 (l) cm] | 12-02201 | Piece |

| Item Description | Cat. No. | Unit |
|--|----------|--------|
| UV-transparent tray of gel gripping design [gel size 30 (w) x 20 (l) cm] | 12-02202 | Piece |
| UV-opaque tray [gel size 30 (w) x 25 (l) cm] | 12-02251 | Piece |
| UV-transparent tray of gel gripping design [gel size 30 (w) x 25 (l) cm] | 12-02252 | Piece |
| UV-opaque tray [gel size 30 (w) x 30 (l) cm] | 12-02301 | Piece |
| UV-transparent tray of gel gripping design [gel size 30 (w) x 30 (l) cm] | 12-02302 | Piece |
| Comb stand with positioning pins and metal screws for adjusting comb height | 12-07171 | Piece |
| Comb 1 mm thick, multichannel pipette compatible, PMMA, 33 wells/298 mm | 12-09331 | Piece |
| Comb 1.5 mm thick , multichannel pipette compatible, PMMA, 33 wells/298 mm | 12-09332 | Piece |
| Comb 2 mm thick , multichannel pipette compatible, PMMA, 33 wells/298 mm | 12-09333 | Piece |
| Comb 1 mm thick , PMMA, 54 wells/298 mm | 12-09541 | Piece |
| Comb 1.5 mm thick , PMMA, 54 wells/ 298 mm | 12-09542 | Piece |
| Comb 2 mm thick , PMMA, 54 wells/ 298 mm | 12-09543 | Piece |
| Comb 1 mm thick , multichannel pipette compatible, PMMA, 65 wells/298 mm | 12-09651 | Piece |
| Comb 1.5 mm thick , multichannel pipette compatible, PMMA, 65 wells/298 mm | 12-09652 | Piece |
| Comb 2 mm thick , multichannel pipette compatible, PMMA, 65 wells/298 mm | 12-09653 | Piece |
| Comb 1 mm thick , PMMA, 92 wells/298 mm | 12-09921 | Piece |
| Comb 1.5 mm thick , PMMA, 92 wells/ 298 mm | 12-09922 | Piece |
| Comb 2 mm thick , PMMA, 92 wells/ 298 mm | 12-09923 | Piece |
| Comb 1 mm thick , multichannel pipette compatible, PMMA, 27 wells/298 mm | 12-10271 | Piece |
| Comb 1.5 mm thick , multichannel pipette compatible, PMMA, 27 wells/298 mm | 12-10272 | Piece |
| Comb 2 mm thick , multichannel pipette compatible, PMMA, 27 wells/298 mm | 12-10273 | Piece |
| Comb 1 mm thick , PMMA, 40 wells/298 mm | 12-10401 | Piece |
| Comb 1.5 mm thick , PMMA, 40 wells/ 298 mm | 12-10402 | Piece |
| Comb 2 mm thick , PMMA, 40 wells/ 298 mm | 12-10403 | Piece |
| Comb 1 mm thick , multichannel pipette compatible, PMMA, 54 wells/298 mm | 12-10541 | Piece |
| Comb 1.5 mm thick , multichannel pipette compatible, PMMA, 54 wells/298 mm | 12-10542 | Piece |
| Comb 2 mm thick , multichannel pipette compatible, PMMA, 54 wells/298 mm | 12-10543 | Piece |
| Comb 1 mm thick , PMMA, 76 wells/298 mm | 12-10761 | Piece |
| Comb 1.5 mm thick , PMMA, 76 wells/ 298 mm | 12-10762 | Piece |
| Comb 2 mm thick , PMMA, 76 wells/ 298 mm | 12-10763 | Piece |
| Gel casting chamber for tray 30 cm (w) and varying length up to 30 cm | 12-25302 | Piece |
| Screws for gel casting chamber (2 No.) | 12-26088 | Packet |
| Gel slicer, breakage resistant, 29.5 (w) x 30 (l) cm | 63-05300 | Piece |
| Niche cleaner | 64-06075 | Piece |
| Electrical cords with male & female connectors designed for user safety | 66-40124 | Pair |
| Penta-legged levelling table (38 x 52 cm) with spirit-level | 69-41529 | Set |
| Greywhale tank. Replacement part for horizontal apparatus for DNA and protein separations | 12-01302 | Piece |
| Greywhale-R tank. Replacement part for horizontal apparatus for nucleic acid and protein separations, fabricate to tolerate cleaning reagents used in RNA analysis | 12-01305 | Piece |
| Greywhale-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 | 12-01306 | Piece |
| Greywhale-mini tank. Replacement part for horizontal apparatus for DNA and protein separations, with male connectors mounted at an angle and uni-directional migration | 12-01303 | Piece |
| Greywhale lid. Replacement part for horizontal apparatus for DNA and protein separation | 12-13030 | Piece |
| Greywhale-mini lid. Replacement part for horizontal apparatus for DNA and protein separation | 12-13031 | Piece |

LIGOGEL

For DNA and protein separation

- ✓ UV-transparent tray with gel gripping design
- ✓ Built in fluorescent ruler
- ✓ Ergonomic comb
- ✓ Gel size: 2.8 (w) x 8.5 (l) cm
- ✓ No. of samples: [4] x 2 combs



Designed for quick electrophoresis of bio-molecules in horizontal agarose gels

Use any horizontal apparatus to provide electrical conductivity or buy the Ligogel small tank.

Ligogel system with slide and comb (on top)

Features of this apparatus

Leak-Proof

- No buffer leakage through plastic joints as bonding is done with special glues
- Crazeing of plastic minimized as high quality plastic used

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

Error Minimization

- Closely spaced wells do not break as comb-stand will not move sideways during comb withdrawal
- Samples migrate in right direction due to uni-directional migration feature

Sensitivity & Resolution

- UV-transparent tray gives enhanced sensitivity of DNA detection
- Improved band resolution as the gel formed is extremely thin

Economical

- Run greater number of samples using two combs per slide
- Can be run higher at higher voltages
- Saves reagent & operator cost as leakage and errors are prevented

Ready-to-use system includes

1. UV-transparent tray with gel gripping design 2.8 (w) x 8.5 (l) cm
2. A four well comb
3. Instruction manual
4. Tank with fitted electrodes
5. Lid
6. Stand for lifting Ligogel out of buffer
7. Rack for storing 5 Ligogels in the fridge

| 65-S8000 | 65-08001 | 65-08005 | 65-S8005 |
|----------|----------|-----------|-----------|
| Y | Y | Y(5 pcs) | Y(5 pcs) |
| Y | Y | Y (5 pcs) | Y (5 pcs) |
| Y | Y | Y | Y |
| Y | - | - | - |
| Y | - | - | - |
| Y | - | - | - |
| - | - | - | Y |

Ordering description

Ligogel-S (65-S8000): Horizontal apparatus for DNA and protein separations with UV-transparent tray, gel size 2.8 (w) x 8.5 (l) cm, comb, PMMA for 4 wells, 1.5 mm with stand for lifting and lid for safety.

Ligogel (65-08001): Slide for DNA and protein separations (1 no.), UV-transparent, gel size 2.8 (w) x 8.5 (l) cm, comb (1 no.), PMMA for 4 wells, 1.5 mm with stand for lifting the Ligogel.

Ligogel (65-08005): Slide for DNA and protein separations (5 nos.), UV-transparent, gel size 2.8 (w) x 8.5 (l) cm, comb (5 nos.), PMMA for 4 wells, 1.5 mm with stand for lifting the Ligogel.

Ligogel (65-S8005): Slide for DNA and protein separations, UV-transparent, gel size 2.8 (w) x 8.5 (l) cm, comb, PMMA for 4 wells, 1.5 mm with stand for lifting the Ligogel, and rack for storing 5 Ligogels.

SUGGESTION

Order along with the Ligogel-s
The enclosed rack to store 5 Ligogels after casting.(65-09001)

Ligogel and its spares and accessories

| Item Description | Cat. No. | Unit |
|--|----------|---------|
| Ligogel-S, ready-to-use system, comb & UV-transparent tray, tank for running gel with electrodes, electrical cords with lid | 65-S8000 | System |
| Ligogel, ready-to-use system, comb & UV-transparent tray, 1 no. | 65-08001 | 1 unit |
| Ligogel-S, ready-to-use system, comb & UV-transparent tray, 5 nos. | 65-08005 | 5 units |
| Ligogel tray with grooves and fluorescent ruler | 65-08539 | 5 units |
| Ligogel comb, 4 well | 65-05042 | 5 units |
| Ligogel, ready-to-use system, 5 nos. with enclosed rack to hold 5 casted ligogel trays. System comes with 5 combs & 5 UV-transparent trays (with grooves, fluorescent ruler and gel-anti slip slot) and 1 rack | 65-S8005 | System |