

## 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
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- ✓ 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