

## MIDIKIN

**Standard gel size: 16.5 (w) x 16 (l) cm**

- ✓ Single sided, runs one or two gels
- ✓ *In-situ* gel casting
- ✓ Designed for effective gel cooling
- ✓ No sample loss due to uni-directional migration
- ✓ Gel thickness: 1/ 1.5 mm
- ✓ Wells per gel: [20/ 26] X 2 combs
- ✓ Buffer requirement: 650 mL
- ✓ 10% SDS-PAGE run in 2 hr



Midikin

### Features of this apparatus

#### Leak Proof

- Gaskets made of silicone are tough & resilient
- Buffer leaks from plastic joints prevented as sticking is done with specially manufactured glues

#### Rugged

- Breakage proof Teflon combs, & fibre-glass notched plate
- Electrodes do not break as they are thick & purity > than 99.9%
- No corrosion due to resin filled male connectors

#### High Resolution

- Sharper bands because of thin glass plates & deep tank
- Good cooling as entire gel-sandwich is in contact with the buffer
- Low positioned electrodes stir buffer to cool gel

#### Error Minimization

- Migration of samples in wrong direction prevented due to unidirectional feature
- Wells formed straight as combs sit levelled with the spacers
- Run up to two gels at a time in the same system

### Ready-to-use system includes

1. Lower anodic tank fitted with male connector and electrode
2. Cathodic electrode unit fitted with male connectors and electrode
3. Resilient silicone gasket with inserts for cathodic electrode unit
4. One notched and one rectangular glass plate (square bottom)
5. Two 1.5 mm thick, breakage resistant, slotted spacers
6. Two PTFE comb (1.5 mm thick, 20 wells, est. vol. 112 µL/well)
7. Set of clamps with screws
8. Agarose dispenser for filling slot in spacers
9. Gel-sandwich opener
10. Lid for safety
11. Electrical cords with male & female connectors
12. Instruction manual

05-00162 <i>In situ</i> casting/ Uni-directional migration	05-00163 <i>In situ</i> casting/ Bi-directional migration
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y
Y	Y

### Ordering description

**Midikin (05-00162):** Vertical electrophoresis single sided system of gel size 16.5 (w) x 16 (l) cm, with male connectors, *in situ* gel casting, slotted spacers, uni-directional migration and capable of accepting two gels

**Midikin-BD (05-00163):** Vertical electrophoresis single sided system of gel size 16.5 (w) x 16 (l) cm, with male connectors, *in situ* gel casting, slotted spacers, bi-directional migration and capable of accepting two gels

#### SUGGESTION

Order along with Ready-to-use system

Gel-casting stand (05-33175),  
Glass plate stand (05-35165),  
Combs with 26 wells (05-16261/2)

### Midikin and its spares and accessories

Item Description	Cat. No.	Unit
Midikin, ready-to-use system for uni-directional migration	05-00162	System
Midikin-BD, ready-to-use system for bi-directional migration	05-00163	System
Clamps 17 (l) cm with screws (one pair)	05-05170	Set
Screws for clamps and cathodic electrode unit (two of each)	05-06148	Packet
Resilient silicone gasket with insert for cathodic electrode unit	05-09364	Piece
Comb 1 mm thick, PTFE, 20 wells, 15 mm deep, est. vol. 75 $\mu$ L/well	05-16201	Piece
Comb 1.5 mm thick, PTFE, 20 wells, 15 mm deep, est. vol. 112 $\mu$ L/well	05-16202	Piece
Comb 1 mm thick, PTFE, 26 wells, 15 mm deep, est. vol. 45 $\mu$ L/well	05-16261	Piece
Comb 1.5 mm thick, PTFE, 26 wells, 15 mm deep, est. vol. 66 $\mu$ L/well	05-16262	Piece
Spacers, slotted, 1 mm thick, breakage resistant (one pair)	05-17171	Set
Spacers, slotted, 1.5 mm thick, breakage resistant (one pair)	05-17172	Set
Notched (3 mm) and rectangular glass plates, 20.5 (w) x 17 (l) cm (one of each)	05-28162	Set
Rectangular glass plates, 20.5 (w) x 17 (l) cm (two)	05-28172	Set
Gel-casting stand with binder clips	05-33175	Piece
Glass plate stand	05-35165	Piece
Gel-sandwich opener	61-30182	Piece
Agarose dispenser for filling slot in 1 mm spacer	62-36201	Piece
Agarose dispenser for filling slot in 1.5 mm spacer	62-36182	Piece
Electrical cords with male & female connectors design for user safety	66-40124	Pair
Gradient mixer with triple-barrel and plunging stopper. Volume per chamber 22 mL. Accommodates magnetic spin-bar of $\leq$ 14 mm length	67-50207	Piece
Penta-legged levelling table (23 x 31 cm) with spirit-level	69-41319	Set
Midikin, CEU. Replacement part for single sided system of gel size 16.5 (w) x 16 (l) cm, with male connector	05-01162	Piece
Midikin-BD, CEU. Replacement part for single sided system of gel size 16.5 (w) x 16 (l) cm, with male connector	05-01163	Piece
Midikin, tank. Replacement part for single sided system of gel size 16.5 (w) x 16 (l) cm, with male connector	05-02162	Piece
Midikin-BD, tank. Replacement part for single sided system of gel size 16.5 (w) x 16 (l) cm, with male connector	05-02163	Piece