

MACROKIN

Gel size: 18.5 (w) x 24 (l) cm

- ✓ Single sided, runs one or two gels
- ✓ *In-situ* gel casting
- ✓ Designed for effective gel cooling
- ✓ No sample loss as uni-directional migration
- ✓ Gels per run: 1 or 2
- ✓ Wells per gel: [23/ 30] x 2 combs
- ✓ Buffer requirement: 950 mL
- ✓ 10% SDS-PAGE run in 2 hr 30 min



Macrokin

Features of this apparatus

Leak Proof

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

Rugged

- Breakage proof Teflon combs
- 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 connector and electrode
3. Resilient silicone gasket 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. One PTFE comb (1.5 mm thick, 23 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

04-00312	04-00313
<i>In situ</i> casting/ Uni-directional migration	<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

Macrokin (04-00312): Vertical electrophoresis single sided system of gel size 18.5 (w) x 24 (l) cm, with male connectors, *in situ* gel casting, slotted spacers, uni-directional migration and capable of accepting two gels.

Macrokin-BD (04-00313): Vertical electrophoresis single sided system of gel size 18.5 (w) x 24 (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 (04-33245),
Glass plate stand (04-35178)

Macrokin and its spares and accessories

Item Description	Cat. No.	Unit
Macrokin, ready-to-use system for uni-directional migration	04-00312	System
Macrokin-BD, ready-to-use system for bi-directional migration	04-00313	System
Clamps 25 (l) cm with screws (one pair)	04-05250	Set
Screws for clamps and cathodic electrode unit (two of each)	04-06148	Packet
Resilient silicone gasket with insert for cathodic electrode unit	04-09664	Piece
Comb 1 mm thick, PTFE, 23 wells, 15 mm deep, est. vol. 75 µL/well	04-14231	Piece
Comb 1.5 mm thick, PTFE, 23 wells, 15 mm deep, est. vol. 112 µL/well	04-14232	Piece
Comb 1 mm thick, PTFE, 30 wells, 15 mm deep, est. vol. 45 µL/well	04-14301	Piece
Comb 1.5 mm thick, PTFE, 30 wells, 15 mm deep, est. vol. 66 µL/well	04-14302	Piece
Spacers, slotted, 1 mm thick, breakage resistant (one pair)	04-17251	Set
Spacers, slotted, 1.5 mm thick, breakage resistant (one pair)	04-17252	Set
Notched (3 mm) and rectangular glass plates, 23.5 (w) x 25 (l) cm (one of each)	04-28242	Set
Rectangular glass plates, 23.5 (w) x 25 (l) cm (two)	04-28252	Set
Gel-casting stand with binder clips	04-33245	Piece
Glass plate stand	04-35178	Piece
Gel-sandwich opener	61-30257	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 ≤ 14 mm length	67-50207	Piece
Penta-legged levelling table (28 x 45 cm) with spirit-level	69-41319	Set
Macrokin, CEU. Replacement part for single sided system of gel size 18.5 (w) x 24 (l) cm, with male connector	04-01312	Piece
Macrokin-BD, CEU. Replacement part for single sided system of gel size 18.5 (w) x 24 (l) cm, with male connector	04-01313	Piece
Macrokin, tank. Replacement part for single sided system of gel size 18.5 (w) x 24 (l) cm, with male connector	04-02312	Piece
Macrokin-BD, tank. Replacement part for single sided system of gel size 18.5 (w) x 24 (l) cm, with male connector	04-02313	Piece