

MITOKIN

Gel size: 10 (w) x 12 (l) cm

- ✓ **Single sided, runs one or two gels**
 - ✓ **In-situ gel casting/ Casting stand**
 - ✓ **Designed for effective gel cooling**
 - ✓ **No sample loss due to uni-directional migration**
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- ✓ **Gel thickness: 1/ 1.5 mm**
 - ✓ **Wells per gel: 12/ 16**
 - ✓ **Buffer requirement: 550 mL**
 - ✓ **10% SDS-PAGE run in 1 hr 10 min**



Mitokin with casting stand

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
- Leak proof patent pending gel casting stand

Rugged

- Breakage proof PTFE combs & fibreglass notched plate
- Electrodes do not break as they are thick & purity > 99.9%
- No corrosion due to resin filled base of 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

	06-00122	06-00123	06-00124	06-00125
	<i>In situ</i> casting/ Uni-directional migration	<i>In situ</i> casting/ Bi-directional migration	Casting stand/ Uni-directional migration	Casting stand/ Bi-directional migration
1. Lower anodic tank fitted with 4 mm male connector and 0.3 mm thick electrode	Y	Y	Y	Y
2. Cathodic electrode unit fitted with 4 mm male connector and 0.3 mm thick electrode	Y	Y	Y	Y
3. Resilient silicone tube gasket with inserts for cathodic electrode unit	Y	Y	Y	Y
4. Resilient silicone rod gasket for cathodic electrode unit				
5. One notched and one rectangular glass plate (square bottom)	Y	Y	-	-
6. One notched and one rectangular glass plate (rounded bottom)	-	-	Y	Y
7. Two 1.5 mm thick, breakage resistant, slotted spacers	Y	Y	-	-
8. Two 1.5 mm thick, breakage resistant, rounded spacers	-	-	Y	Y
9. One PTFE comb (1.5 mm thick, 12 wells, est. vol. 75 µL/well)	Y	Y	Y	Y
10. Set of clamps with screws	Y	Y	Y	Y
11. Gel-casting stand for variable gel thickness and number	-	-	Y	Y
12. C shaped rubber gasket for single gel of 1.5 mm	-	-	Y	Y
13. Tool for positioning spacers	-	-	Y	Y
14. Agarose dispenser for filling slot in spacers	Y	Y	-	-
15. Gel-sandwich opener	Y	Y	Y	Y
16. Lid for safety	Y	Y	Y	Y
17. Electrical cords with male & female connectors	Y	Y	Y	Y
18. Instruction manual	Y	Y	Y	Y

Ordering description

Mitokin (06-00122): Vertical electrophoresis single sided system of gel size 10 (w) x 12 (l) cm, with male connectors, in situ gel casting, slotted spacers, uni-directional migration and capable of accepting two gels.

Mitokin-BD (06-00124): Vertical electrophoresis single sided system of gel size 10 (w) x 12 (l) cm, with male connectors, in situ gel casting, slotted spacers, bi-directional migration and capable of accepting two gels.

Mitokin with Casting stand (06-00123): Vertical electrophoresis single sided system of gel size 10 (w) x 12 (l) cm with male connectors, casting stand with 'C' shaped gasket for agarose free gel casting, rounded spacers, uni-directional migration and capable of accepting two gels.

Mitokin-BD with Casting stand (06-00125): Vertical electrophoresis single sided system of gel size 10 (w) x 12 (l) cm, with male connectors, casting stand with 'C' shaped gasket for agarose free gel casting, rounded spacers, bi-directional migration and capable of accepting two gels.

SUGGESTION

Order along with ready-to-use system

A set of notched fibreglass plate, rectangular glass plate and gel detacher (06-29121), Gel-casting stand (06-33050), Glass plate stand (06-35085), Comb with 16 wells (06-14161/2)

Mitokin and its spares and accessories

Item Description	Cat. No.	Unit
Mitokin, ready-to-use system for uni-directional migration	06-00122	System
Mitokin, ready-to-use system for uni-directional migration with casting stand	06-00124	System
Mitokin-BD, ready-to-use system for bi-directional migration	06-00123	System
Mitokin-BD, ready-to-use system for bi-directional migration with casting stand	06-00125	System
Clamps 13 (l) cm with screws (one pair)	06-05130	Set
Screws for clamps and cathodic electrode unit (two of each)	06-06148	Packet
Resilient silicone gasket with insert for cathodic electrode unit	06-09364	Piece
Comb 1 mm thick, PTFE, 10 wells, 15 mm deep, est. vol. 75 µL/well	06-14121	Piece
Comb 1.5 mm thick, PTFE, 10 wells, 15 mm deep, est. vol. 112 µL/well	06-14122	Piece
Comb 1 mm thick, PTFE, 13 wells, 15 mm deep, est. vol. 45 µL/well	06-14161	Piece
Comb 1.5 mm thick, PTFE, 13 wells, 15 mm deep, est. vol. 66 µL/well	06-14162	Piece
Spacers, slotted, 1 mm thick, breakage resistant (one pair)	06-17131	Set
Spacers, slotted, 1.5 mm thick, breakage resistant (one pair)	06-17132	Set
Spacers, plain, 1 mm thick, breakage resistant (one pair)	06-17083	Set
Spacers, plain, 1.5 mm thick, breakage resistant (one pair)	06-17084	Set
Notched and rectangular glass plates, square bottom edges, 14 (w) x 13 (l) cm (one of each)	06-28122	Set
Notched and rectangular glass plates, rounded bottom edges, 14 (w) x 13 (l) cm (one of each)	06-28123	Set
Rectangular glass plates, square bottom, 14 (w) x 13 (l) cm (two)	06-28132	Set
Rectangular glass plates, rounded bottom, 14 (w) x 13 (l) cm (two)	06-28133	Set
Notched fibreglass plate (breakage resistant), rectangular glass plate and gel detacher (one of each)	06-29121	Set
Notched fibreglass plate (breakage resistant), with rounded bottom, rectangular glass plate and gel detacher (one of each)	06-29122	Set
Gel-detacher for fibreglass plate	06-30115	Piece
Gel-casting stand with binder clips	06-33125	Piece
Gel-casting stand, for variable gel thickness and number, for agarose free sealing	06-33050	System
Gel-casting stand, for single gel, for agarose free sealing	06-33010	System
Gel-casting stand, for dual gel, for agarose free sealing	06-33020	System
C shaped rubber gasket (for single gel of 1 mm) for use with casting stand	06-33109	Piece
C shaped rubber gasket (for dual gel of 1 mm) for use with casting stand	06-33110	Piece
C shaped rubber gasket (for single gel of 1.5 mm) for use with casting stand	06-33111	Piece
C shaped rubber gasket (for dual gel of 1.5 mm) for use with casting stand	06-33112	Piece
Glass plate stand	06-35085	Piece
Gel-sandwich opener	61-30257	Piece
Agarose dispenser for filling slot in 1 mm spacer	62-36201	Piece

Item Description	Cat. No.	Unit
Agarose dispenser for filling slot in 1.5 mm spacer	62-36182	Piece
Electrical cords with male & female connectors designed for user safety	66-40124	Pair
Gradient mixer with triple-barrel and plunging stopper. Volume per chamber 14 mL. Accommodates magnetic spin-bar of ≤ 10 mm length	67-50167	Piece
Penta-legged levelling table (21 x 21 cm) with spirit-level	69-41219	Set
Mitokin, CEU. Replacement part for single sided system of gel size 8.5 (w) x 12 (l) cm, with male connector	06-01182	Piece
Mitokin-BD, CEU. Replacement part for single sided system of gel size 8.5 (w) x 12 (l) cm, with male connector	06-01183	Piece
Mitokin, tank. Replacement part for single sided system of gel size 8.5 (w) x 12 (l) cm, with male connector	06-02182	Piece
Mitokin-BD, tank. Replacement part for single sided system of gel size 8.5 (w) x 12 (l) cm, with male connector	06-02183	Piece