

KOMET-Mini

For single cell comet assay

No. of slides-8

KOMET

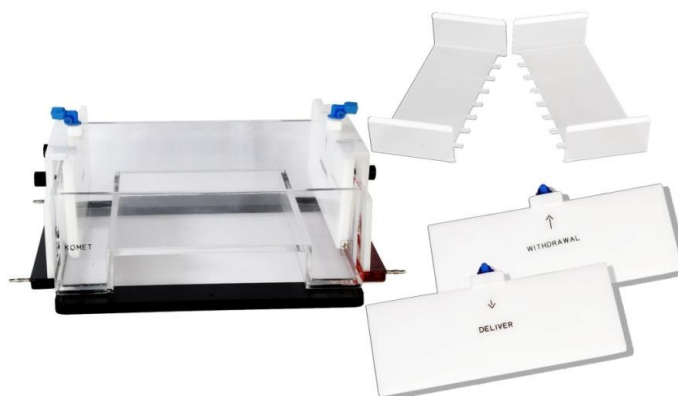
For single cell comet assay

No. of slides-16

KOMET-L

For single cell comet assay

No. of slides-24



Komet apparatus

- ✓ **Removable buffer circulation cassettes**
- ✓ **Inbuilt levelling mechanism**
- ✓ **Buffer requirement: 750/ 950 mL**
- ✓ **Can be used for DNA and protein separation (with accessories)**

Power supply and peristaltic pump is not included in the Komet ready-to-use system.

Features of this apparatus

Leak-Proof

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

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 and colour coding
- Sample migration is always straight as comb-stand & tray are aligned & locked

Sensitivity & Resolution

- UV-transparent tray 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
- Saves reagent & operator cost as leakage and errors are prevented

Ready-to-use system includes

	07-00002	07-00001	07-00003
1. Tank fitted with two dual 4 mm male connector and 0.3 mm thick electrode with a levelling arrangement	1 pcs.	1 pcs.	1 pcs.
2. Lid for Komet	1 pcs.	1 pcs.	1 pcs.
3. Two buffer distribution cassettes marked 'Withdrawal' and 'Deliver' with attached tubing connectors	1 set	1 set	1 set
4. Trays with slot to lift slides [each of size 21 (w) x 11 (l) cm for 8 slides] and made of breakage resistant plastic	1 no.	2 nos.	3 nos.
5. Electrical cords, each with one male and two female connectors	1 pair	1 pair	1 pair
6. Instruction manual	1 pcs.	1 pcs.	1 pcs.

Ordering description

Komet-mini (07-00002): Ready to use system, horizontal apparatus for single cell comet assay with removable buffer distribution cassettes fitted with tubing and connectors. Tray size; 21 (w) x 11 (l) cm (8 slides)

Komet (07-00001): Ready to use system, horizontal apparatus for single cell comet assay with removable buffer distribution cassettes fitted with tubing and connectors. Tray size; 21 (w) x 22 (l) cm (16 slides)

Komet-L (07-00003): Ready to use system, horizontal apparatus for single cell comet assay with removable buffer distribution cassettes fitted with tubing and connectors. Tray size; 21 (w) x 33 (l) cm (16 slides)

Peristaltic pump (07-02100): Peristaltic pump with variable speed, bi-directional continuous operation, LED display and timer, flow rate: 14-450 mL/min

Electracomet (26-00500): DC power supply, range 200 V, 500 mA, 100 W, constant voltage or constant current mode with MOSFETS, autocrossover, four outputs, independent digital displays for mA & V.

Electracomet (26-T0500): DC power supply, range 200 V, 500 mA, 100 W, constant voltage or constant current mode with MOSFETS, autocrossover, four outputs, independent digital displays for mA & V, with timer.

SUGGESTION

Order along with ready-to-use system

Peristaltic pump (07-02100),
Electracomet (26-00500)
Electracomet (26-T0500)
Tray (07-02202),
Comb stand (07-07193)
Gel slicer (63-05300)
Niche cleaner (64-06075)
Extra combs

Komet and its spares and accessories

Item Description	Cat. No.	Unit
Komet-mini, ready-to-use system. Apparatus or single cell comet assay with removable buffer distribution cassettes fitted with connectors. Tray size; 21 (w) x 11 (l) cm (8 slides)	07-00002	System
Komet, ready-to-use system. Apparatus or single cell comet assay with removable buffer distribution cassettes fitted with connectors. Tray size; 21 (w) x 22 (l) cm (16 slides)	07-00001	System
Komet-L, ready-to-use system. Apparatus or single cell comet assay with removable buffer distribution cassettes fitted with connectors. Tray size; 21 (w) x 33 (l) cm (16 slides)	07-00003	System
Peristaltic pump with variable speed, bi-directional continuous operation, LED display and timer, flow rate: 14-450 mL/min	07-02100	Unit
Trays of breakage resistant plastic (combined size 21 (w) x 22 (l) to accommodate 16 slides (2 No.)	07-03091	Set
Connecting cords, each with a male and two female connectors	07-40225	Pair
*UV-transparent tray of gel gripping design [gel size 20 (w) x 22 (l) cm	07-02222	Piece
*UV-transparent tray of gel gripping design [gel size 20 (w) x 10 (l) cm	07-02102	Piece
*Comb stand with positioning pins and metal screws for adjusting comb height	07-07193	Piece
*Comb, 1 mm thick, PMMA, 30 wells/202 mm	07-09301	Piece
*Comb, 1.5 mm thick, PMMA, 30 wells/ 202 mm	07-09302	Piece
*Comb, 2 mm thick, PMMA, 30 wells/ 202 mm	07-09303	Piece
*Gel slicer, breakage resistant, 13.5 (w) x 30 cm	63-05300	Piece
*Niche cleaner	64-06075	Piece
Komet-mini tank. Replacement part for Komet, single cell comet assay or tray size; 21 (w) x 11 (l) cm (8 slides)	07-01002	Piece
Komet tank. Replacement part for Komet, single cell comet assay or tray size; 21 (w) x 22 (l) cm (16 slides)	07-01001	Piece
Komet-L tank. Replacement part for Komet, single cell comet assay or tray size; 21 (w) x 32 (l) cm (16 slides)	07-01003	Piece

* Indicates accessories for using Komet for DNA and protein separation