

RESEARCHER RANGE

BLOTTING APPARATUS SPECIAL FEATURES

EFFICIENCY OF TRANSFER

Hi-fidelity of transfer as large open surface area in cassette frame allows unhindered passage of current

Short transfer times as low resistance to passage of current due to cassette frame design and sponge quality

ERROR MINIMIZATION

No migration of samples in wrong direction due to unidirectional feature

No wrong assembly of gel sandwich as engraved markings and unidirectional insertion prevent mistakes

ECONOMICAL

Lesser requirement of buffer

Short run times as better efficiency of transfer current

No cold room required as it can be run in the refrigerator due to its small footprint

Saves reagent & operator cost as leakage and errors are prevented

RUGGED

No buffer leakage through plastic joints as bonding is done with special glues

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

VERSATILE

Besides western blotting, Southern & northern transfer of bio-molecules from fragile (agarose) gels possible as innovative cassette design prevents crushing of gels

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ELECTROBLOTTING APPARATUS SELECTION GUIDE

All our systems

- ✓ Have uni-directional migration.
- ✓ Cassette and electrode plate insertion in the correct direction only
- ✓ Sample loss due to user error prevented

Model	Description	Cassettes	No of gels transferred at a time	Gel size (w) x (l) (cm)	Buffer Requirement	Recommended power supply
MICROBLOT	For western blotting	One	Two	8 x 5	450 mL	Electragel-100
MIDIBLOT	For western blotting	One	Two	8 x 7	800 mL	Electracomet
TECHNOBLOT	For western, northern and Southern blotting	Two	Four	10 x 10.5	1900 mL	Electracomet

Manufactured and Marketed by **TechResource**

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MICROBLOT

Gel size: 8 (w) x 5 (l) cm

For western blotting

- ✓ **Single cassette**
- ✓ **Uni-directional insertable cassettes and electrode plates**
- ✓ **Uni-directional migration**
- ✓ **Transfer one or two gels at a time**

- ✓ **Buffer capacity: 450 mL**



Ready-to-use system includes

1. Tank
2. Lid
3. Gel & membrane holding cassette with guide pins, stoppers and locking nuts insertable in only one manner
4. Two sponge pads
5. Cathode and anode plates insertable in only one manner, with electrodes for uni-directional migration and male connectors (2 mm)
6. Electrical cords with female (2 mm) & male connectors designed for user safety (1 pair)
7. Instruction manual

Ordering description

Microblot: Single cassette western blotting system, can accommodate two gels (gel size 8 (w) x 5 (l) cm), with uni-directional migration and constructed for cassette and electrode plate insertion in the correct direction only

Microblot and its spares and accessories

Item Description	Cat No.	Unit
Microblot, ready-to-use system	15-00000	System
Cathode and anode plates with male connectors (2 mm), uni-directional insertion and migration feature	15-03083	Set
Gel membrane-holding cassette for transfer of <i>anions</i> with guide-pins, stoppers and locking-nuts	15-08504	Set
Sponge pads (four)	15-10095	Packet
Guide pins with stoppers and locking nuts (two of each)	15-21304	Packet
Electrical cords with female (2 mm) & male connectors designed for user safety	66-40122	Pair

MIDIBLOT

Gel size: 8.5 (w) x 9 (l) cm

For western blotting

- ✓ **Single cassette**
- ✓ **Uni-directional insertable cassettes and electrode plates**
- ✓ **Uni-directional migration**
- ✓ **Transfer one or two gels at a time**

- ✓ **Buffer capacity: 800 mL**



Ready-to-use system includes

1. Tank
2. Lid
3. Gel & membrane holding cassette with guide pins, stoppers and locking nuts insertable in only one manner
4. Two sponge pads
5. Cathode and anode plates insertable in only one manner, with electrodes for uni-directional migration and male connectors (2 mm)
6. Electrical cords with female (2 mm) & male connectors designed for user safety (1 pair)
7. Instruction manual

Ordering description

Midiblot: Single cassette western blotting system, can accommodate two gels (gel size 8.5 (w) x 9 (l) cm), with uni-directional migration and constructed for cassette and electrode plate insertion in the correct direction only

Microblot and its spares and accessories

Item Description	Cat No.	Unit
Midiblot, ready-to-use system	16-00000	System
Cathode and anode plates with male connectors (2 mm), uni-directional insertion and migration feature	16-03083	Set
Gel membrane-holding cassette for transfer of <i>anions</i> with guide-pins, stoppers and locking-nuts	16-08504	Set
Sponge pads (four)	16-10095	Packet
Guide pins with stoppers and locking nuts (two of each)	16-21304	Packet
Electrical cords with female (2 mm) & male connectors designed for user safety	66-40122	Pair

TECHNOBLOT

Gel size: 10 (w) x 10.5 (l) cm

For western, northern and Southern blotting

- ✓ **Dual cassette**
- ✓ **Uni-directional insertable cassettes and electrode plates**
- ✓ **Uni-directional migration**
- ✓ **Transfer one to four gels at a time**

- ✓ **Buffer requirement: 1900 mL**



Ready-to-use system includes

1. Tank
2. Lid
3. Two gel & membrane holding cassettes with guide pins, stoppers and locking nuts insertable in only one manner
4. Four sponge pads
5. Eight push screws for locking cassettes
6. Cathode and anode plates insertable in only one manner, with electrodes for uni-directional migration and gold plated male connectors
7. Electrical cords with gold plated male & female connectors for user safety (1 pair)
8. Instruction manual

Ordering description

Technoblot: Dual cassette blotting system for western, northern and Southern blotting, can accommodate two/four gels (gel size 10 (w) x 10.5 (l) cm), with uni-directional migration and constructed for cassette and electrode plate insertion only in the correct orientation

Technoblot and its spares and accessories

Item Description	Cat No.	Unit
Technoblot, ready-to-use system	13-00000	System
Cathode and anode plates with male connectors for uni-directional insertion and migration feature	13-03115	Set
Cathode plate with male connector for uni-directional insertion and migration feature	13-04115	Piece
Anode plate with male connector for uni-directional insertion and migration feature	13-05115	Piece
Gel membrane-holding cassette for transfer of <i>anions</i> with push-nut locking adapters and guide pins	13-06734	Piece
Gel membrane-holding cassette for transfer of <i>cations</i> with push-nut locking adapters and guide pins	13-07734	Piece
Sponge pads (six)	13-10115	Packet
Push screws (eight)	13-20210	Packet
Guide pins with stoppers and locking nuts (eight of each)	13-21304	Packet
Buffer saver (25 mm thick)	13-37121	Piece
Electrical cords with gold plated male & female connectors designed for user safety	66-41124	Pair
Penta-legged levelling table (21 x 21 cm) with spirit level	69-41219	Set