



OmniPAGE Blot Transfer Systems

Electroblotting is a technique to immobilise proteins or nucleic acid separation on a solid membrane support. Samples are then detected using specific antibodies, ligands or nucleic acid probes that bind to individual proteins or nucleic acid sequences. This allows identification, quantification or interaction's study of proteins and nucleic acid from various samples, and makes it a powerful technique in proteomics and genomics.

Cleaver Scientific offers four types of system:

MODULAR ELECTROBLOTTERS – combine PAGE and transfer techniques within the same tank. These options are shown in the PAGE vertical sections

TANK TRANSFER SYSTEMS – available with either plate or wire electrodes, support efficient, quantitative transfers over a wide molecular weight range. Plate electrode systems are faster through greater field strength; wire electrodes are more economical, consuming less current and generating less heat.

SEMI-DRY TRANSFER SYSTEMS – perfect for rapid, high-intensity transfers of mid-range proteins, 10-100kD in size.

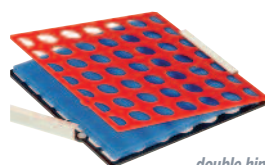
MICROFILTRATION (DOT AND SLOT BLOTTING) – does not require electrophoresis and is used to determine the working conditions for a new blotting assay, antibody titres and antibody-antigen specificity. Also suitable for nucleic acids

TankBlot Electroblotters

Designed primarily for wet electroblotting of proteins, these Electroblotters offer a combination of increased capacity with economy saving features.

Both units, Mini 10 x 10cm and Maxi 20 x 20cm, have increased capacity over standard systems with up to five gel blot cassettes utilised at any one time. This is especially useful in high throughput laboratories.

A uniform electric field is provided by a high intensity coiled electrode and ensures uniform transfer across the blot surface. The cassette's open architecture ensures the maximum blot area allows direct transfer of current. Its rigid construction ensures contact between the gel and membrane is retained throughout the blot and an even pressure is maintained. These units are compatible with magnetic stirrers to aid heat dispersal and prevent pH drifts in the buffer due to incomplete buffer mixing. Each system includes a cooling pack to further enhance transfer efficiency by removing excess heat. This also saves on buffer for added economy.



double hinged cassettes for added convenience

KEY FEATURES

- Ideal for wet electroblotting of proteins - Western blotting
- Up to five gel blot cassettes utilised at any one time
- Hinged cassettes for added convenience
- Accommodates gel thicknesses from 0.25 up to 3mm

TECHNICAL SPECIFICATIONS

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Unit dimensions (W x D x H)	Mini	19 x 13 x 19cm
	Maxi	24 x 16 x 26cm
Max. sample capacity	Mini	5 Blots, 10 x 10cm
	Maxi	5 Blots, 20 x 20cm 20 Blots, 10 x 10cm
Buffer volume	Mini	Min 1000ml; Max 1500ml
	Maxi	Min 4300ml; Max 6000ml

ORDERING INFORMATION

EBM10	TankBlot Mini ElectroBlotter , 10 x 10cm System for five cassettes, with tank and lid, 5x cassettes, 12x fibre pads and cooling pack	SB10C	TankBlot Mini Cassette
		SB10F	Fibre pads - pk/8
EBM20	TankBlot Maxi ElectroBlotter , 20 x 20cm System for five cassettes, with tank and lid, 5x cassettes, 12x fibre pads and cooling pack	SB20C	TankBlot Maxi Cassette
		SB20F	Fibre pads - pk/6