

SB10-HI



SW20-HI

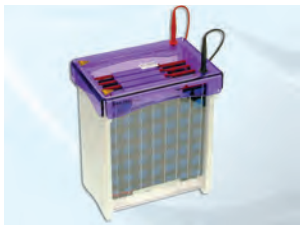
Sub Blot Mini and WAVE High Intensity Transfer Systems

The Sub Blot Mini and WAVE high intensity transfer systems combine the cooling capacity of wet submarine blotting units with the speed of semi-dry transfer systems. Both systems utilise plate electrodes to create a higher strength electric field and greater current density than conventional wire-electrode systems. This allows transfer of broad range molecular weight proteins to be achieved typically within an hour in the Sub Blot Mini, and in 1-2 hours using the WAVE Sub Blot System. Features offered by the Sub Blot Mini and WAVE are as follows:

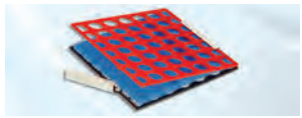
- Plate-electrodes 2cm apart in the Sub Blot Mini facilitate fast transfer of two stacked 8x8.5cm mini gels; and 4cm apart in WAVE Sub Blot system for transfer of one Maxi gel
- Multi-transfer capability in the WAVE also allows transfer of 4 omniPAGE Mini and 2 omniPAGE Mini Wide gels arranged side-by-side
- Two cooling options: a cool pack supplied with the Sub Blot Mini for environmentally friendly low-cost cooling; and active cooling in the Sub Blot WAVE by a detachable cooling coil connected to a recirculating chiller (pg 81)
- Magnetic stirring bars fit conveniently beneath the cooling coil within the WAVE tank to maximise buffer circulation and heat dissipation, while preventing ion gradient formation; both tanks sit comfortably on most stirring plates
- Open design, rigid cassettes maximise gel-to-membrane compression for efficient current transfer; colour-coded to prevent polarity reversal

Specifications		
	SB10-HI	**SW20 WAVE-HI**
Max. Gel Size	10x10cm	20x20cm
Gel Capacity	2x Mini	4x Mini, 2x Mini Wide & 1x Maxi
Buffer Volume	1.3L Max.	7L
Running conditions	100-200V 1-2h	100-200V 1-2h
Cooling	Cool Pack	Cooling Coil
Recommended power supply	CS-3AMP	CS-3AMP

Ordering Information	
SB10-HI	omniPAGE Blot Mini, 10 x 10cm, High Intensity System including tank and lid, 2 cassettes, 8 fibre pads, cooling pack
VS10BI-HI	omniPAGE Blot Mini Insert – includes 2 cassettes and 8 fibre pads
SB10C	omniPAGE Blot Mini Cassette
SB10F	Fibre Pads – pk/8
SW20-HI	WAVE Sub Blot, 20 x 20cm, High Intensity System including tank and lid, 1 cassettes, 6 fibre pads, cooling coil
WAVEBI-HI	WAVE Sub Blot High Intensity Insert – includes 1 cassette and 6 fibre pads
SW20C	WAVE Sub Blot Cassette
SB20F	Fibre Pads – pk/6



EBM20



tank sub electroblotters

Designed primarily for wet electroblotting of proteins, TankSub 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.

- 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		
Unit dimensions (W x H x D)	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	**Electro Blot Mini, 10 x 10cm System for five cassettes, with tank and lid, 5x cassettes, 24x fibre pads and cooling pack**		
SB10C	Tank Blot Mini Cassette	**SB10F**	Fibre pads - pk/8
EBM20	**Electro Blot Maxi, 20 x 20cm System for five cassettes, with tank and lid, 5x cassettes, 24x fibre pads and cooling pack**		
SB20C	Tank Blot Maxi Cassette	**SB20F**	Fibre pads - pk/6