blotting

CAPILLARY

- Permanent wick with optimised capillary action
- Fast, easy set-up
- DNA transfer in 2 hours or less; RNA transfer in 3 hours or less
- Efficient transfer of high and low M.Wt. fragments
- Floating lid ensures even pressure without gel compression

These Capillary Blotting systems offer a contained unit for southern and northern blotting. Each model incorporates optimised permanent wicks which eliminate the requirement for overlapping wicks, offering greater consistency.

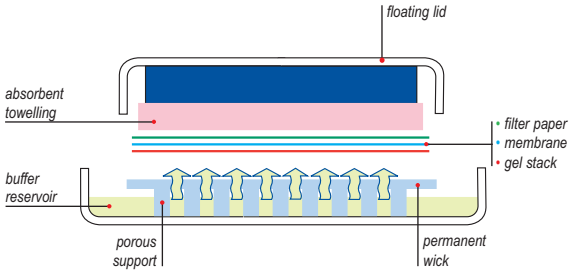
The porous polyethylene platform draws up transfer buffer faster than traditional systems allowing for faster transfer times. Side by side transfer of multiple gels can be performed in a single set up.

Other convenient features include:

- Stackable and compact
- Accommodates various membrane sizes and types
- 15 x 26cm or 28 x 26cm - effective wick dimensions
- Robust toughened PVC construction

Technical Specifications

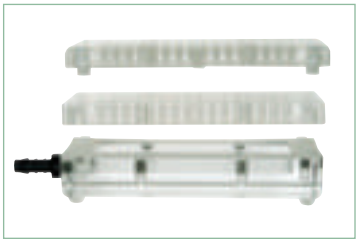
Unit dimensions (W x D x H)	Mini	30 x 30 x 10cm
	Maxi	42 x 30 x 10cm



Principle:
Through capillary action, the buffer travels from the reservoir to the absorbent towelling via the porous supports, permanent wick, gel and membrane. This action optimises the transfer of low and high Molecular Weight DNA/RNA from gel to membrane without mechanical damage to even the thinnest of gels.

DOT & SLOT

- Low cost
- Easy assembly
- Simple construction
- Four sample configurations
- Alpha-numeric sample identification



Dot Blot and Slot Blot microfiltration manifolds are designed for DNA and RNA filter blot hybridisations and immunological (Ag/Ab) screening applications. Machined from high density acrylic, their precision lapped mating surfaces and leak proof gasket ensures uniform filter contact, so preventing lateral transfer of samples – smudging – by ensuring that a complete vacuum is formed. Assembly of the manifolds is simply by aligning the mating surfaces and tightening the stainless steel thumb screws. A permanent filter template is provided with each manifold to simplify the cutting of filters to the exact size. A vacuum of approximately 600mm Hg (0.8 Bar) is required during sample application.

Four configurations are available for 24 & 48 for slots and 48 & 96 wells for dots in the configuration of standard microplates. Each well is alpha-numerically grid referenced for easy identification.

Model	*DBM48*	*DBM96*	*SBM24*	*SBM48*
Configuration	3 x 16	8 x 12	2 x 12	3 x 16
Size of well	6mm diameter 12mm deep	6mm diameter 12mm deep	6 x 0.5mm 12mm deep	6 x 0.5mm 12mm deep
Vacuum required	----- 600mg Hg 0.8 BAR with cold trap -----			
Unit dimensions	60 x 95 x 100cm	60 x 105 x 140cm	60 x 74 x 83cm	60 x 95 x 100cm
Membranes size required	12.1 x 4.4cm	11 x 7.4cm	12.1 x 4.4cm	12.1 x 4.4cm

Ordering Information

Capillary Blotting Units

BCBU1526	Mini Capillary Blotting Unit (15cm x 26cm)
BCBU2826	Maxi Capillary Blotting Unit (28cm x 26cm)

Dot & Slot Blotters

BCDBM48	48-well Dot Blot Manifold, 3 x 16 array
BCDBM96	96-well Dot Blot Manifold, 8 x 12 array
BCSBM24	24-well Slot Blot Manifold, 2 x 12 array
BCSBM48	48-well Slot Blot Manifold, 3 x 16 array