BENEFITS INCLUDE

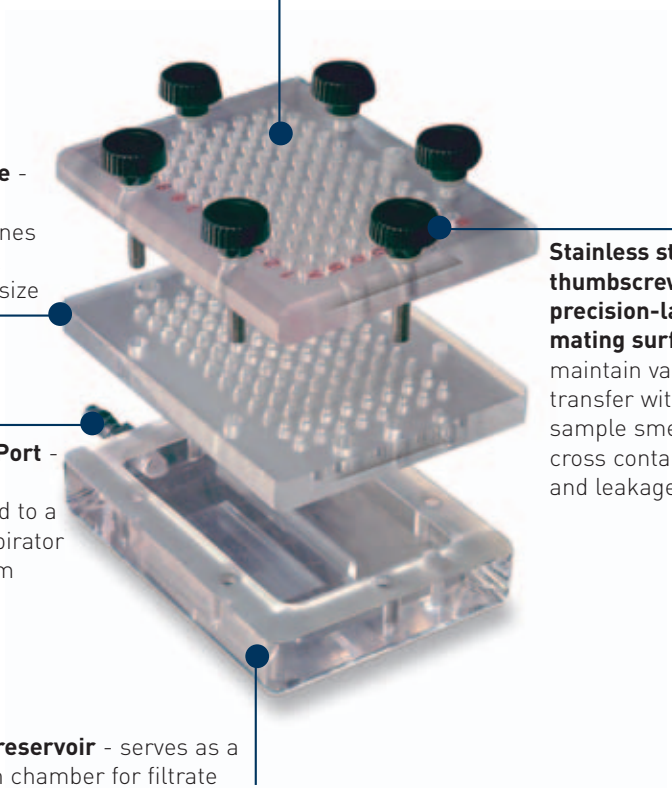
- **Rapid transfer assured within minutes** - dot/slot microfiltration manifold allows unfractionated samples to be immobilised onto a membrane for immediate screening with nucleic acid probes or antibodies
- **Available in 3 different formats: -**
  - **DHM-48 -** for 5 x 12.8cm membranes - 48-sample throughput
  - **DHM-96 -** for 7.5 x 11.3cm membranes - 96-sample throughput
  - **SHM-48 -** for 5 x 12.8cm membranes - 48-sample throughput
- **Compatibility (DHM Only) -** with multi-channel pipettes and standard 96-well microtitre plates ensures fast loading of the manifold
- **Simple design -** based on the alignment of stainless steel thumbscrews and mating screws - guarantees fast and easy set up without the need for gaskets and 'O' rings
- **Dot/slot blot imaging and quantitation -** available on the Vision gel documentation system
- **Blotting paper, membranes and chemicals also available see pages 117-124**

DO YOU NEED...?

BLOTTING PAPER & MEMBRANES	SEE PAGE 124
A VACUUM PUMP	SEE PAGE 75
A THERMAL CYCLER	SEE PAGE 99
A UV STERILISATION CABINET	SEE PAGE 98

Dot and Slot Blot Microfiltration Manifolds

Available in alphanumeric 48 and 96 sample throughputs, Scie-Plas's dot and slot blot microfiltration manifolds provide an easy and reproducible means to hybridise proteins and nucleic acids in solution onto membranes. These manifolds, which are machined from high-density acrylic, have precision-lapped mating surfaces that ensure uniform filter/membrane contact without gaskets and 'O' rings. Manifold assembly is simple, being achieved by the alignment and tightening of stainless steel thumbscrews and mating screws, while filters can be cut down to the exact size of the template. Standard manifold configurations are available with the DHM-48 and -96 units providing 48 and 96 dots, 3mm in diameter, that are compatible with the configuration of 96-well microtitre plates. The SHM-48 units focus up to 48 samples into thin lines, less than 0.5 x 6mm in size, making densitometric quantitation more reproducible. Each hybridisation manifold requires a vacuum pump or water aspirator equivalent to 600mm Hg (0.8 Bar).



TECHNICAL SPECIFICATION

	SHM-48	DHM-48	DHM-96
Unit Dimensions (W x D x H)	18.5 x 7.5 x 7cm	18.5 x 7.5 x 7cm	17 x 10.5 x 7cm
Maximum Sample Capacity	48	48	96
Dot Diameter	-	3mm	3mm
Slot Dimensions (W x L)	3 x 12mm	-	-
Sample Volume / Dot	-	100µl	100µl
Sample Volume / Slot	300µl	-	-
Minimum Membrane Size (W x L)	5 x 12.8cm	5 x 12.8cm	7.5 x 11.3cm
Vacuum Port External Diameter	7mm	7mm	7mm
Vacuum Port Internal Diameter	6mm	6mm	6mm
Maximum Operating Temperature	65°C	65°C	65°C
Working Pressure of Pump or Water Aspirator	600mm Hg (0.8 Bar)	600mm Hg (0.8 Bar)	600mm Hg (0.8 Bar)

ORDERING INFORMATION

Complete System	Part No.
48-well Dot Blot Hybridisation Manifold in 3 x 16 array, comprising paired upper dot-forming modules for dots 3mm in diameter, and lower vacuum chamber module.	DHM-48
96-well Dot Blot Hybridisation Manifold in 8 x 12 array, comprising paired upper dot-forming modules for dots 3mm in diameter, and lower vacuum chamber module.	DHM-96
48-well Slot Blot Hybridisation Manifold in 3 x 16 array, comprising paired upper slot-forming module for slots 0.5 x 6mm in size, and lower vacuum chamber module.	SHM-48

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