



Bibby Scientific

Focus on Slide Preparation



One company, four internationally-recognised brands



Introduction

Bibby Scientific Ltd offer a range of products designed for use in the paraffin method of slide preparation in histology labs.

Electrothermal's® Paraffin Wax Dispenser heats wax to a liquid state providing convenient 'wax on tap' for histology laboratories.

The Stuart® Shaking Incubator is ideally suited to incubating samples during infiltration, maintaining the molten state of the wax to allow it's equilibration within the tissue.

The Paraffin Flotation Bath is designed specifically to aid in the manipulation of sectioned samples onto glass slides and flatten out crinkles produced after microtome slicing.

Our bestselling Slide Drying Bench is used for drying glass slides after sample mounting in preparation for clearing and staining.

Resection
Extraction of tissue sample.

Fixation
Preservation of cellular structure of tissue.

Dehydration
Removal of water.

Infiltration
Molten paraffin is left to equilibrate within tissue, at 58°C, to replace dehydration agent.

Embedding
Solidification of tissue within a cube of paraffin.

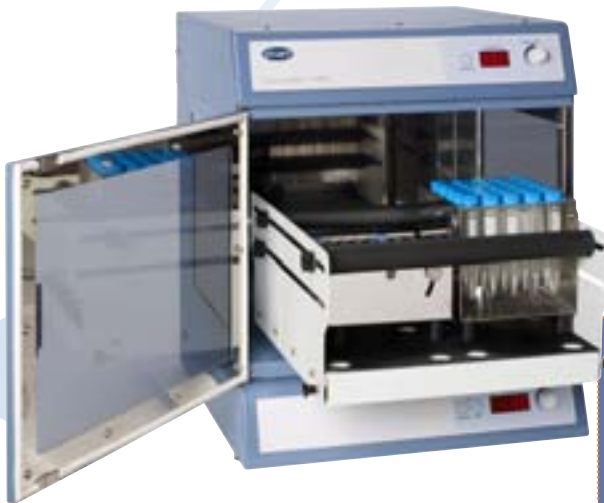
Sectioning
Fine slicing of solid tissue cube on a microtome, creating a ribbon of sections.

Mounting
Remove crinkles and allow effortless manipulation onto slides.

Clearing
Removal of paraffin from tissue.

Staining
To improve visibility of cellular structures.

Innovative products for histology and pathology laboratories



Cooled and large capacity incubators available

Ideal for Infiltration applications

Shaking incubator

Product code: **SI500**

Suited to optimising infiltration of wax into samples. Key features include:

- Combined incubator shaker
- Unique retractable platform for easy loading and unloading
- Digital display for temperature and speed
- Integrated timer

Specification

Temperature range	Ambient +5°C to 60°C
Temperature display resolution	0.1°C
Temperature precision	±0.5°C
Temperature fluctuation	±0.5°C
Temperature variation	<0.5°C
Speed range	30 to 300 rpm
Orbit diameter	16mm
Platform size	335 x 335mm
Internal dimensions (w x d x h)	422 x 408 x 297mm
Maximum vessel height	250mm
Maximum load	10kg
Overall dimensions (w x d x h)	450 x 474 x 522mm
Net weight	30kg



Ideal for Infiltration and Embedding applications

Paraffin Wax Dispenser

Product code: **MH8523B** (Please add X1 for 115V unit)

Enables routine tissue embedding to be easy and mess free.

Designed for use with paraffin wax with a melting range from 45°C

to 65°C. Key features include:

- Heated tap to prevent wax solidification
- PTFE lining makes it virtually maintenance free and easy to clean
- Added safety feature which warns if the wax temperature is above the set temperature
- None drip nozzle on the tap

Specification

Capacity	4.5L
Material	Powder-coated aluminium case
Temperature	Ambient +5°C to 75°C
Dimensions (h x dia)	300mm x 280mm
Weight	4.5kg

Slide Drying Bench

Product code: **MH6616** (Please add X1 for 115V unit)

For the drying of mounted tissue samples.

Key features include:

- Black surface gives good visibility of samples
- Capacity for 50 slides which can be arranged in different orientations
- Set temperature up to 100°C
- Removable support bars to allow slides to lay flat

Ideal for Mounting applications

Specification

Capacity	Up to 50 slides
Material	Base and top powder-coated aluminium
Max Element Temperature	100°C
Dimensions (d x w x h)	180 x 390 x 95mm
Weight	1.8kg

Best seller



Paraffin Section Flotation Bath

Product code: **MH8517** (Please add X1 for 115V unit)

Allows quick, clean and crinkle free sample mounting after microtome sectioning. Key features include:

- Black PTFE interior gives high contrast for viewing specimens
- Temperature control as opposed to arbitrary power control
- Improved temperature accuracy
- Improved temperature stability of $\pm 0.5^\circ\text{C}$
- Improved heat up rates - 45°C typically achieved within 40 minutes with 2.25L of water
- Overheating prevented with new temperature control mechanism

Ideal for Mounting applications

NEW

Specification

Capacity	2.5L
Temperature	30°C to 70°C
Temperature Stability	$\pm 0.5^\circ\text{C}$
Bath material	Aluminium base with PTFE coated interior
Dimensions (d x w x h)	330 x 330 x 140 mm
Weight	2.7kg
Heater Power	240W





Want more information on
these products?

Call us on +44 (0)1785 810433
and talk to one of our technical experts
(please quote Ref: HIS1)

Email us at techsupport@bibby-scientific.com

Visit our website at www.bibby-scientific.com

Bibby Scientific Limited

Beacon Road, Stone,
Staffordshire ST15 0SA
United Kingdom

Tel: +44 (0)1785 812121

Fax: +44 (0)1785 813748