BioTherm™ SmartSuite

SmartDevices

BioTherm™ SmartDevices are a range of specimen warming devices designed specifically to avoid drift during continuous heating by using adaptive control technology. Each SmartDevice has its own thermometry and control circuitry, and stores its device parameters within its internal memory. Each SmartDevice measures temperature promptly and precisely providing for excellent temperature stability and consistent results.

SmartStage

- Suitable for Inverted or Upright Microscopes
- Material Aluminium, Black Anodized
- Green Led Signifies Heating Active
- Viewing Aperture 12 or 22 mm
- Temperature Range Ambient (+2°C) to 55°C
- Temperature Stability ±0.1°C
- Dimensions (LxWxH) 112x112x5.6 mm
- Weight 195g
- Full Temperature Within 4 mins at 40°C
- Code Number SS12/SS22

The BioTherm™ SmartStage is ideally suited to maintain stable specimen temperature while examining or analysing specimens under a microscope. It has a low profile and choice of 12 mm or large 22 mm viewing aperture that readily suits many microscopes. The heating element provides distributed heating and has been designed to maximize temperature stability. It is powered with steady direct current so that there is no EMI or RF, no magnetic fields, and no mechanical vibrations. Thermal isolation of the stage minimises heat loss to the underlying microscope platform. There is automatic compensation for external heating or cooling such as by light sources or specimen changes.

SmartDevices at their Best... Intuitive, Intelligent and Sophisticated

SmartPlate

- Material Aluminium, Black Anodized
- Green Led Signifies Heating Active
- Temperature Range Ambient (+2°C) to 55°C
- Temperature Stability ±0.1°C
- Dimensions (LxWxH) 238x153x20.6 mm
- Weight 640g
- Full Temperature Within 6 mins at 40°C
- Code Number SPA5

The BioTherm™ SmartPlate is designed for precisely maintaining the temperature of specimens awaiting analysis. Precise heating is performed by multiple temperature sensing which can quickly detect local load changes as specimens are moved, or media added, and produces a rapid, but stable compensating heater response. The result is uniform heat distribution over the entire plate. It is suitable for petri dishes, microscope slides and multi-well dishes.

CryoLogic
Innovative Instrumentation

For Further Information Contact CryoLogic
www.cryologic.com
Tel: 61 3 9574 7200
Fax: 61 3 9574 7300

SmartBlock

- Material Aluminium, Black Anodized
- Green LED Signifies Heating Active
- Temperature Range Ambient (+2°C) to 55°C
- Temperature Stability ±0.1C
- Dimensions (LxWxH) 165x77x128.6 mm
- Weight 940g
- Full Temperature Within 15 mins at 40°C
- Code Number SB01

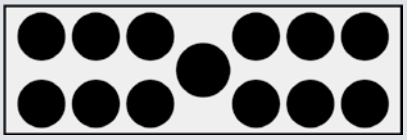
The BioTherm™ SmartBlock is designed to provide uniform dry heating of sample tubes of various shapes and sizes. The SmartBlock is made from material of high thermal conductivity for uniform temperature distribution. It is fully insulated to minimise heat loss. Heating is distributed to avoid hot spots. Distributed temperature sensing ensures the whole block rapidly reaches uniform temperature.

The interchangeable blocks are designed for precision temperature management of standard size sample tubes, microtubes, centrifuge and test tubes. Currently you can choose from six standard block designs. Custom blocks can also be made.

Fast
Effective,
and Affordable

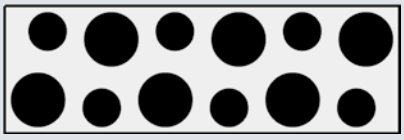
Blocks are securely fixed in the SmartBlock housing to minimise heat loss and maximise temperature stability. They can be removed by the user to clean, sterilise or interchange.

A 12-1



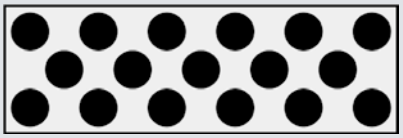
12 microtubes
(15mm Ø x 94mm)
1 x 14ml or 15ml tube
(17mm Ø x 98mm)

F6/6



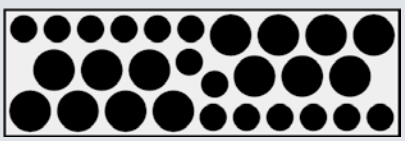
6 x 14ml or 15ml tubes
(17mm Ø. x 96mm)
6 x 5ml or 6ml tubes
(12mm Ø x 63mm)

G17



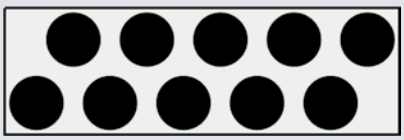
17 x 5ml or 6ml tubes
(12mm Ø x 63mm)

L14/14



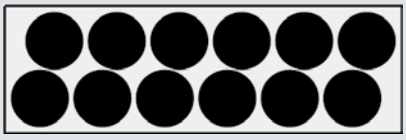
14 x 1.8ml cryovials
(13mm Ø x 34mm)
14 x auto-sample tubes
(8.5mm Ø x 98mm)

E10



10 x 14ml or 15ml tubes
(17mm Ø x 96mm)

V12



12 x 10ml tubes
(16mm Ø x 92mm)

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