

BioTherm™ Smart Suite

BioTherm™ Smart Suite is a sophisticated modular system for precisely maintaining specimens at a pre-selected temperature between ambient and 55°C. The SmartSuite consists of a Command Station or Power Module together with one SmartDevice.

The Command Station powers and monitors SmartDevices. It allows the user to monitor and adjust temperature, identify error conditions and, recalibrates the SmartDevices. The Power Module provides regulated power to SmartDevices which operate at a preset temperature.

Command Station

With a Command Station you can adjust or monitor the temperature of SmartDevices in 0.1°C increments from ambient to 55°C; identify error conditions, and easily recalibrate SmartDevices using a built in calibration system. Can be used with any SmartDevice and is fully interchangeable if and when an upgrade is required. Weight 2.5lbs/1.1Kg, dimensions (LxDxH) 7x5x2 inches/180x130x56mm

CS1

Power Module

The Power Module operates with a single SmartDevice. It provides conditioned power for any SmartDevice with a preset temperature. Preset temperature can be factory programmed. Weight .7lbs/350g, dimensions 5x2x1 inches/132x58x30mm.

BTPM

SmartDevices are warming devices which incorporate state-of-the-art adaptive control distributing heat with precision sensing technology for fast and accurate temperature control. Temperature range is ambient to 55°C and temperature stability $\pm 0.1^\circ\text{C}$. SmartDevices regularly report their status and operating conditions to a Command Station.

SmartStage Device

Ideally suited to maintain stable specimen temperature while examining or analyzing specimens under a microscope. Choice of 12mm or 22mm viewing aperture that readily suits many microscopes. The heating element provides distributed heating with no hot spots. Thermal isolation of the stage minimizes heat loss to the underlying microscope platform. Weight 195g/.4lbs, dimensions (LxWxH) 4.4x4.4x.22inches/112x112x5.6mm. When ordering, specify desired pre-set temp between 2-55C.

SS12 12mm aperture microscope warmstage

SS22 22mm aperture microscope warmstage

SmartPlate Device

Designed for precisely maintaining the temperature of specimens awaiting analysis. A constant, stable temperature is maintained even when specimens are moved or media is added. Heat is distributed uniformly over the plate and is suitable for petri dishes, microscope slides and multi-well plates. Weight 640g/1.4lbs, dimensions (LxWxH) 9x6x8 inches/238x153x20.6mm. When ordering, specify desired pre-set temp between 2-55C.

SPA5 bench top warm plate

SmartBlock Device

Designed to provide uniform dry heating for multiple sizes of sample tubes. The SmartBlock is insulated to minimize heat loss, provides uniform heat distribution without hot spots and rapidly reaches full temperature within 15 minutes at 40 °C. Blocks are interchangeable and are securely fixed to minimize heat loss and maximize temperature stability. They can be removed for block interchange, cleaning and sterilization. Weight 940g/2lbs, dimensions (LxWxH) 6.4x 3x5 inches/165x77x128.6mm. When ordering, specify desired pre-set temp between 2-55C. Choose from six standard block designs.

SmartBlock Devices

A12-1		F6/6		G17		L14/14		E10		V12	
12 microtubes (15mm \varnothing x 94mm) 1 x 14ml or 15ml tube (17mm \varnothing x 98mm)		6 x 14ml or 15ml tubes (17mm \varnothing , x 96mm) 6 x 5ml or 6ml tubes (12mm \varnothing x 63mm)		17 x 5ml or 6ml tubes (12mm \varnothing x 63mm)		14 x 1.8ml cryovials (13mm \varnothing x 34mm) 14 x auto-sample tubes (8.5mm \varnothing x 98mm)		10 x 14ml or 15ml tubes (17mm \varnothing x 96mm)		12 x 10ml tubes (16mm \varnothing x 92mm)	
Product Code:	SB01-YA	Product Code:	SB01-YF	Product Code:	SB01-YG	Product Code:	SB01-YL	Product Code:	SB01-YE	Product Code:	SB01-YV

