MicroscopeHeaters.Com

KEEPING CELLS ALIVE

A DIGITAL PIXEL BRAND

Microscope Incubation - Heating, Cooling & Gas Control

Heated Stage Inserts - Objective Heaters - Whole Microscope Cooling - Heater Cooler Stage Inserts - Advanced Vibration Free Heater Technology CO_2 Controller - CO_2-O_2 Hypoxia Controller

Microscope Incubation Chamber System

"I'm very pleased with our Heating System from Microscope Heaters. We are routinely running 72hr plus time-lapse experiments on primary cells. It is completely silent and great not to have the noise of a loud convection fan"

Dr Jens Eriksson,
Uppsala University, Sweden

Whole Microscope Heater Cooler Solution

"We study early-stage biofilm formation in the opportunistic pathogen Pseudomonas aeruginosa. Crucially, the incubation chamber has dual-capability: it can both heat and cool our samples."

Jamie Wheeler,
Foster Group, University of Oxford

Drosophila Imaging- Heater Cooler System

"Developed for the University of Oxford to image Drosophila embryogenesis,and maintain precise temperature control at 18,22,25 and 28°C over a 10-24 hour period. Better than 0.2°C accuracy is required and maintained. The system heats and cools the sample when required"

Alan Wainman
Raff Group, University of Oxford

Heated Microscope Inserts and CO_2 Controller

"Our Microscope_Heaters Heated Insert and CO_2 Controller system is great! We would highly recommend this system to any researchers using live cell imaging."

Professor Klaus Suhling
Kings College, London

New Generation Objective Heater System

"The heater is easy to fit and set up, and provides excellent thermostability during extended time course imaging at 37°C."

Andrew Jefferson
Micron Imaging Facility,
University of Oxford

WIMM University of Oxford

Biosciences - University of Birmingham

Oxford
Heidelberg
Cambridge
Marseille
Paris

Complete Cell Viability Product Range

Microscope Incubation Chamber System

Provides the ultimate environment to allow long term time lapse experiments. Our unique vibration free heating technology, provides the best stability, with minimal sample perturbation.

Temperature Range	Ambient plus 1°C to 42°C
Accuracy	+ - 0.3°C

Whole Microscope Cooling System

Designed for applications where an extended sample area needs to be cooled, i.e. for cooling microfluidic systems. Used in bacterial biofilm formation research.

Cooling Range	12-15°C below Ambient
Accuracy	+ - 0.3°C

Stage Top Heater Systems

Independent control over the insert base and glass cover, provide accurate sample temperature control. This combined with a flexible portable package make it ideal for applications running on multiple microscope systems.

Temperature Range	Ambient plus 1°C to 55°C
Accuracy	+ - 0.3°C

Microscope Objective Heater

New generation objective heater, combines a flexible heating element with temperature sensor in contact with objective. Available integrated with Stage Top Heater.

Stage Top Heater/Cooler Systems

This fully integrated system provides precise sample temperature control in the range 5-50°C. Designed for use in non-mammalian model system research. i.e Dictyostelium, Xenopus, Zebrafish, Yeast First systems have been used to study Drosophila Embryogenesis.

Cooling Range	12-15°C below Ambient
Accuracy	+ - 0.3°C

Hypoxia Stage Top system

A sealed insert with internal CO_2 and O_2 sensors provide The most reliable system available, with gas concentrations measured at the sample.

CO_2 Range	0-10%
O_2 Range	21-1%

CO2 Gas Controller Systems

Microprocessor controller range 0-20%. Internal variable pump system. Requires only 100% CO_2 supply.

Sealed Stage Inserts

Provide a closed environment to maintain raised CO_2 concentration at the sample. Accept 96-well format, Petri dish and slides. Compatible with Prior, ASI, Marzhauser and Ludl Stages.

Selection of Installed Systems

Nikon Ti-E Crest	Birmingham
Olympus IX83 TIRF	Oxford
Nikon TI-2 Crest Confocal	Uppsala
Zeiss 880 Airyscan	Sussex
Nikon Ti-E Yokogawa	Dusseldorf
Nikon TI-E Aurox Confocal	Oxford
ASI RAMM	UCL
Abberior Olympus IX83	Heidelberg
Nikon Ti-E Cairn RS Super Resolution	LMB Cambridge
PicoQuant Olympus IX83	San Diego
Leica DMi8 SP5	Exeter
Nikon Ti-2 Light Sheet	Cambridge
Nikon Super Resolution	Marseille
Nikon Ti-E	Marburg
Olympus IX83	Toronto
3i Spinning Disc & TIRF	Sussex

Nikon
Zeiss
PicoQuant
Olympus
Leica
JPK-AFM
Cairn
Aurox
3i

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