MicroscopeHeaters.Com

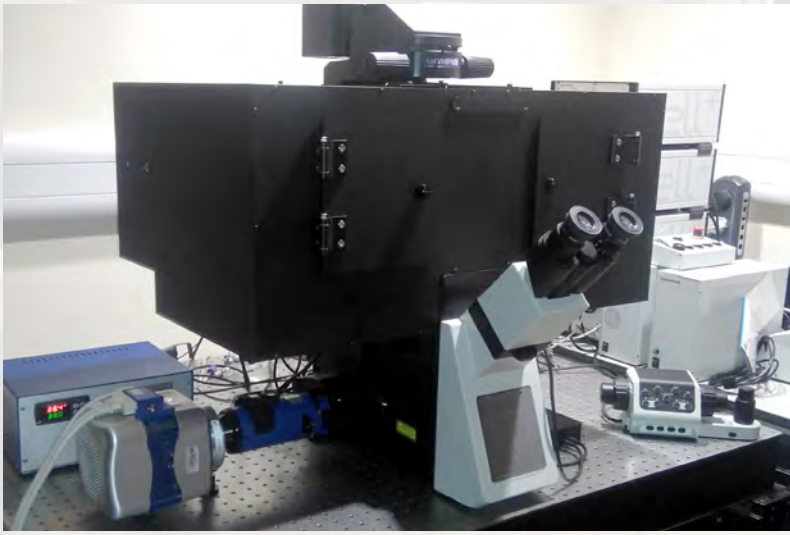
KEEPING CELLS ALIVE

A DIGITAL PIXEL BRAND

Microscope Incubation Systems

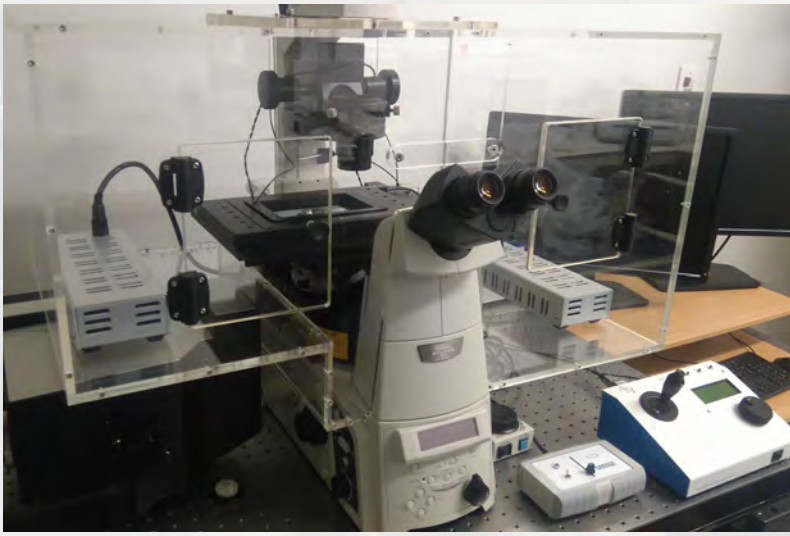
Does your Microscope Incubation System Shake, Rattle and Roll?

Advanced Vibration Free Heater Technology



Quantifiable Benefits
Our powerful internal heaters gently warm the sample area from both sides of the incubation system - without any vibration at all!

Little or No Air Flow Perturbation to the sample area- ideal for precise measurement methods:
This technology allows the researcher to perform delicate experiments on living cells and organisms - without perturbing or stressing the sample, or the sample area!
Microinjection, Cell wall strength, AFM, optical or magnetic Tweezer experiments all benefit from our heating technology!



Microscope Core Facilities Can Benefit - Extended Temperature Range - Zebrafish, Drosophila, Yeast, Bacteria
More Applications - More Users!
Conventional fan based heating systems, struggle to control temperature in the 24-30°C temperature range. Our systems can control from 1°C above ambient! This allows you to support more researchers using many non-mammalian model systems, such Zebrafish, Dictyostelium, Drosophila, Yeast and Bacteria.

Reduced Focus Drift Issues
Fan systems blow hot air across the sample area at 40-50°C. This can cause thermal drift in your microscope system.

Enhanced Microscope Access
No large bulky pipes means that our system provides the greatest possible access to your microscope, for system peripherals. Now and in the Future!

Enhanced Laboratory Environment
Our systems operate silently and generate NO noise.

Green Technology - 10W power consumption
Warm the Microscope NOT the Planet
Out internal heaters concentrate on warming the microscope, NOT the laboratory. They also do not introduce dirty air into the Microscope environment

Oxford
Heidelberg
Cambridge
Marseille
Paris

Other Cell Viability Products

CO_2 Gas Controller Systems
Microprocessor controlled 0-20% CO_2 Range
Internal Variable Pump/Flow Control

Stage Top Heater Systems
Independent control over the base and glass cover
Available with microscope Objective Heater

Microscope Objective Heater System
Flexible Objective Heating Band

Heater/Cooler Systems
Stage Top Heater/Cooler System provides precise control in the 10°C-50°C temperature range
Ideal for conducting precise temperature Xenopus, Drosophila, Zebrafish experiments.

Sample Types

Zebrafish	22-28°C
Dictyostelium	20-24°C
Drosophila	20-30°C
C.Elegans	20-30°C
Yeast	26-35°C
Bacterial Research	20-42°C
Mammalian Cells	37°C

*Assuming a laboratory temperature of 18-19°C

Flexible Chamber Options
Clear, Smoke, Matt Black or Matt Black with Clear Front

Full CAD Based Design
Accurate models of all the major microscopes and peripherals provide precise and accurate fit to your microscope configuration.
Flexible Door Position Options.

Technical and Performance

Heating Method	Internal high performance proprietary thermal elements
Temperature Sensor	PT100 or Thermocouple
Temperature Range	1°C above ambient to 42°C
Temperature Stability	+-0.2°C
Thermal Homogeneity	+-0.2°C Across the four quadrants of a sample holder on motorised stage
Power Consumption	Typically less then 10W at equilibrium 37°C

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

Nikon
Zeiss
Olympus
Leica
JPK-AFM
PicoQuant
Aurox

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