

Warm Stages for Microscopy

Linkam warm stages are found in cell biology labs, hospitals and IVF clinics all over the world and provide a simple, low cost solution for an accurate, temperature controlled platform from ambient to 60°C.

The warm stages are mounted directly on top of the microscope stage and are suitable for most commercially available inverted and upright microscopes.

Features and Benefits

The warming plates are incredibly thin, as little as 0.5mm, so that short high resolution objective or condenser lenses can be used

- A platinum resistor temperature sensor is used for higher accuracy and stability than the more commonly used thermocouple.
- The low voltage power supply uses automatic feedback so that there are no temperature fluctuations when loading or removing the sample.
- Sophisticated CAD designed bi-filar heating element that covers the entire surface of the stage to maintain uniform temperature distribution in the slide or dish.
- The heating element is designed so that no heater current induced fields will influence the sample.
- Stages are designed to fit into the microscope table enabling full access to the sample.
- The stage controller is extremely simple and intuitive, set temperature on touch screen display, then press heat.
- All equipment is EMC emissions tested so that it can be safely used in hospital and IVF environments.

Specifications

- Temperature range Ambient to 60°C
- Temperature stability <0.1°C
- Heating rate of 10°C/min
- Suitable for Petri dishes or microscope slides
- Platinum resistor temperature sensor
- Uniform temperature distribution across the plate
- Range of central aperture sizes available
- Smooth DC power delivery
- Compact controller dimensions. (160 x 104 x 25mm)



Fig 1 The DC95 and WSAX200 warm stage to fit Prior Optiscan



Fig 2 The THN series for inverted Nikon microscopes



Fig 3 The TH60-16 series for upright microscopes

System Options

Select a warm stage from the list below

13000	TH60-6	Warm Stage 75x50x1.4mm with 6mm aperture
13001	TH60-68	Warm Stage 75x50x1.4mm with 6x8mm aperture
13002	THL60-8	Warm Stage 100x100x1.4mm with 8mm aperture
13003	THL60-12	Warm Stage 100x100x1.4mm with 12mm aperture
13004	THL60-16	Warm Stage 100x100x1.4mm with 16mm aperture
13005	THL60-12x25	Warm Stage for viewing microscope slides with 12x25mm aperture
13022	THD 60-16	Warm Stage for LEICA DMIRB inverted microscope
13039	WS Ergostage	Warm Stage for Leica Ergostage table (Leica part number 11888186)
13006	THN 60-10	Warm Stage for NIKON Diaphot and TE series inverted microscope with 10mm aperture
13007	THN 60-16	Warm Stage for NIKON Diaphot and TE series inverted microscope with 16mm aperture
13009	TH 60-SMZ	Warm Stage 205x155x2mm for NIKON Stereomicroscope with 16mm aperture
13010	THO 60-10	Warm Stage for OLYMPUS IMT2, IX 70/50 inverted microscope with 10mm aperture
13011	THO 60-16	Warm Stage for OLYMPUS IMT2, IX 70/50 inverted microscope with 16mm aperture
13040	WSAX200	Warm Stage to fit Prior Optiscan ES111 and ES11E50 XY tables

Add the DC95 Controller

Part no.

14083 DC95 Warm Stage Controller



Fig 4 DC 95 controller



Fig 6 The THL series to fit onto the XY mechanical tables upright microscopes



Fig 7 The TH series to fit into the slide holder arms of upright microscopes

THL Dimensions

