



Wax (Paraffin) Melting Ovens

Genlab Wax (Paraffin) Melting Ovens are designed specifically for the controlled heating and preparation of paraffin wax and embedding media used in histology and pathology applications.

Trusted by hospitals, universities, research laboratories and specialist diagnostic facilities, Genlab Wax ovens provide reliable, uniform heating and excellent temperature stability, ensuring paraffin is maintained at the required processing temperature without unnecessary temperature fluctuations.

Available in a range of capacities from 30 to 100 litres, Genlab Wax Ovens combine robust construction, precise temperature control and integrated safety features to provide dependable day-to-day laboratory performance.

Key Benefits

- 30–100 litre capacities to suit a wide range of laboratory requirements
- 30°C to 80°C operating range
- Typical temperature fluctuation of $\pm 0.75^{\circ}\text{C}$
- Excellent temperature stability and chamber uniformity
- Independent over-temperature protection for enhanced operator and sample safety
- Even heating designed to prevent localised overheating of paraffin
- High-accuracy duplex PT100B sensors
- Integrated 48-hour temperature trending
- Energy-efficient operation with integral energy metering
- Set-point lock with passcode protection to prevent unauthorised adjustment
- Adjustable stainless-steel shelving
- Removable, secure wax drip tray for easier cleaning and maintenance



Robust, Hygienic Construction

The oven exterior is manufactured from durable sheet steel and finished with an easy-clean powder-coated coating. The internal chamber is constructed from medical-grade 304 stainless steel and is fully seam welded to provide a robust, hygienic and easy-to-maintain working environment.

Uniform Heating

Genlab Wax Ovens use strategically positioned heater pads in the side and rear walls of the chamber to provide consistent, even heat distribution.

Precision Control & Safety

The bespoke touchscreen control system provides straightforward, accurate temperature management combined with an independent over-temperature protection system.

Two individual PT100 sensors provide precise temperature measurement and independent monitoring, helping protect against excessive temperatures.

The intuitive touchscreen interface provides:

- Accurate temperature control
- Independent over-temperature protection
- Up to 48 hours of historical temperature trending
- Passcode-protected set-point locking
- Manual or automatic over-temperature reset options
- Clear operator warnings and status information

Sizes and Specifications

Genlab Reference Number	Capacity* (litres)	Internal Dims (H x W x D cm)	External Dims (H x W x D cm)	Shelves / Positions	Wattage	Weight (kg)
WAX/30/TDIG/SS	30	24 x 36 x 35	55 x 48 x 50	2..2	300	30
WAX/40/TDIG/SS	40	33 x 36 x 35	62 x 48 x 50	2..3	300	35
WAX/50/TDIG/SS	53	33 x 49 x 33	62 x 61 x 48	2..3	400	45
WAX/75/TDIG/SS	73	33 x 49 x 45	62 x 61 x 60	2..3	400	55
WAX/100/TDIG/SS	99	45 x 49 x 45	74 x 61 x 60	3..4	600	60

Please see product datasheets for dimensional drawings

Applications

Genlab Wax Ovens are suitable for a wide range of applications involving the controlled heating of paraffin wax and embedding media, including:

- Histology departments
- Pathology laboratories
- Hospital laboratories
- University and research laboratories
- Veterinary diagnostic laboratories
- Forensic laboratories
- Industrial laboratories
- Microbiology facilities

Option Codes

A range of options is available to tailor the oven to individual laboratory requirements:

VIS	Viewing windows
STANDS	Bespoke stands
STACK	Stacking kits
AWA	Audible Warning Alarms
TUS	9 Point Uniformity Surveys
SPC	Traceable calibration to national standards