



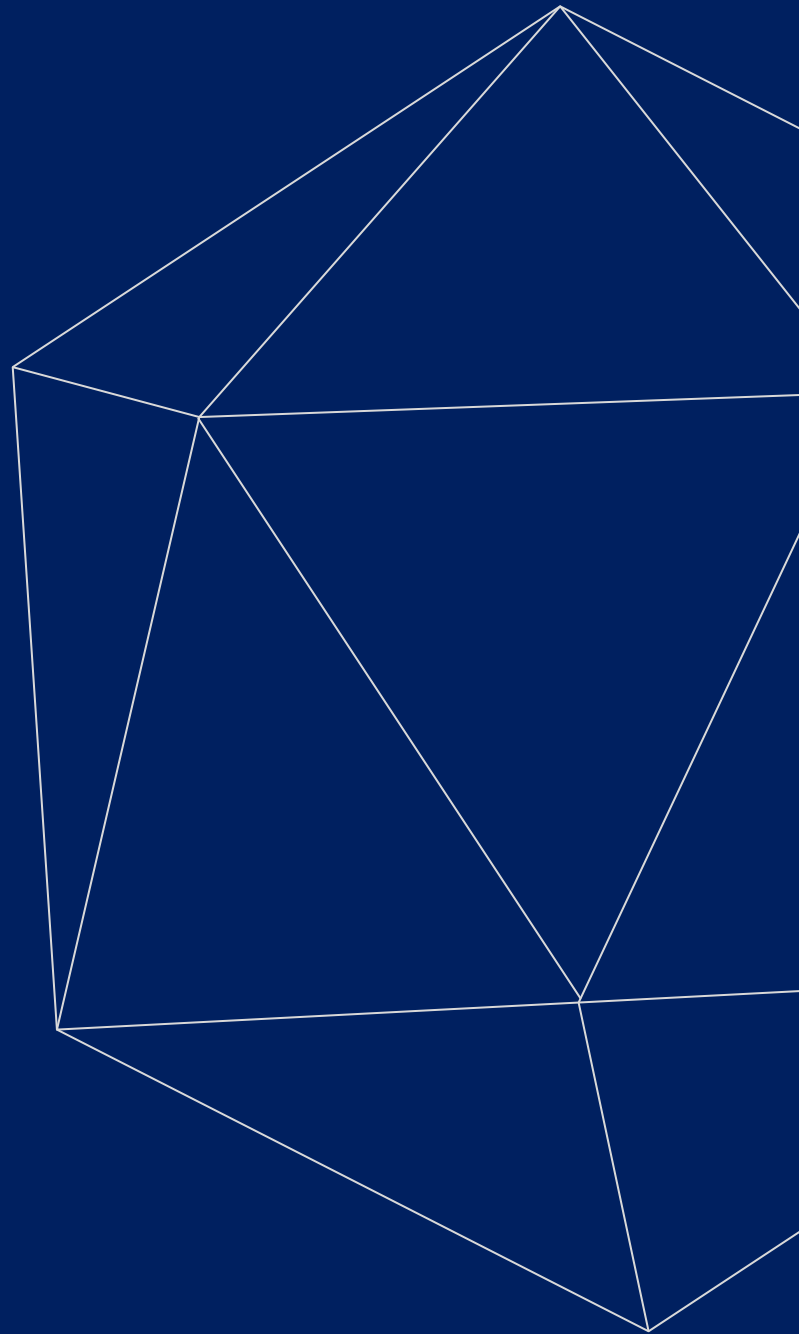
# PATHOLOGICAL ANATOMY

## PARAFFIN WAX + EQUIPMENTS



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## Paraffin Wax Kalstein's Paraffin Wax

### Technical Characteristics:

- ✓ Product name: Paraffin wax
- ✓ Melting Point: 58-60
- ✓ Oil Content (%): 0.5-0.8
- ✓ Application: candles \rubber industry\explosives industry
- ✓ Needle Penetration(GB/T 4985, 100g, mm/10 at 25°C): 16-18
- ✓ Kin. Viscosity(GB/T265, 100°C): 4.4
- ✓ Odor(SH/T0414): <1
- ✓ Water-soluble Acid or Alkali(SH/0407): Nil
- ✓ Packing details: 10 KG /Bags

YRA33	Paraffin block	1KG	BOX	1KG
YRA33-1	Granular paraffin	1 KG	Plastic Bag	1KG

Updated Kalstein.

## What is your ideal pathological anatomy equipment?

There is an infinity of models, so it is normal that you do not know which team of pathological anatomy purchases to meet your needs. In Kalstein, we evaluate them to find what you are looking for.

### What is a microtome for? - Kalstein

Microtomy is the discipline that deals with obtaining fine serial sections from tissues included in paraffin blocks for their subsequent...

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### What is a cryostat? - Kalstein

The cryostat is a piece of equipment used in the processing of samples for histological or histopathological diagnosis...

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### Processing for histological studies

Tissue processing is a very important part of any histology laboratory, and begins with obtaining the tissue under study. In the case...

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## Paraffin Dispenser

### Model YR459

#### Major Technical Specifications

- ✓ Temperature Range: Continuously adjustable within 0 - 100°C.
- ✓ Temperature control precision:  $\pm 1^\circ\text{C}$ .
- ✓ Capacity: 10000 ml.
- ✓ Working Voltage: AC 220V $\pm 10\%$  50Hz (standard model); AC110V $\pm 10\%$  60Hz.
- ✓ Power: 1200W.
- ✓ Dimensions: 355 $\times$ 410 $\times$ 540mm (W $\times$ D $\times$ H).
- ✓ Net weight: 16kg.

Any histology lab must have paraffin wax in order to accomplish the sectioning process so that the lab operator is able to see the samples through a microscope. It is common to have a paraffin dispenser in this type of laboratory, due to the importance of this consumable. Tissue processing is one of the most delicate techniques inside any kind of laboratory. You need to be aware of many details and the process must be very precise.

Paraffin wax is useful to impregnate tissue prior to sectioning thin samples of tissue. The process begins when the water is removed from tissue through ascending strengths of alcohol and the tissue is cleared in an organic solvent such as xylene. After this, the tissue is placed in paraffin wax for a number of hours and then set in a mold with wax to cool and solidify. The final process is when you cut the sections on a microtome. The paraffin trimmer removes the excess paraffin from embedding cassettes safely and with ease by sliding it across the heated surface. The melted paraffin drains into the removable catch basin below without making a mess of paraffin shavings.

#### Paraffin dispenser uses

This device is a very common tool inside a histology lab because it melts and dispenses the paraffin. The use of this paraffin dispenser is for research, instruction and experiments in universities or technical secondary schools. About this device's safety, we recommend that when is on; keep the surrounding area clear while you are operating it. You should also keep in mind that you cannot use any flammable and explosive materials, strong chemical materials nor any toxic or radioactive materials.

#### Paraffin wax dispenser

This device has a full computer automated control and intelligent digital temperature control. It also utilizes a new type of heating elements that enable fast energy efficient and a reliable heating. About the temperature, its sensors are made in USA and they are precise and reliable. In addition, this paraffin dispenser automatically saves the latest operation settings. It also has a memory and automatic restoration function enables the preset temperature to be automatically saved after device operation. Moreover, this model has a LED screen that displays the heating status. Its temperature range is continuously adjustable within 0 - 100°C. It has a temperature control precision of  $\pm 1^\circ\text{C}$ . In addition, it has a 10000 ml capacity with a working voltage of AC 220V $\pm 10\%$  50Hz (standard model); AC110V $\pm 10\%$  60Hz and a 1200 W power. Finally, its overall dimensions are 355 mm  $\times$  410 mm  $\times$  540 mm (W $\times$ D $\times$ H) and its net weight is 16 Kg.

**Product Name: YR459 Paraffin Dispenser.**

**Product Categories: Wax Processing.**

#### Features

- ✓ Utilizes full computer automated control and intelligent digital temperature control.
- ✓ Utilizes new type of heating elements that enable fast, energy efficient and reliable heating.
- ✓ Temperature sensors are made in USA, precise and reliable.
- ✓ Automatically saves the latest operation settings.
- ✓ Memory and automatic restoration function enables the preset temperature to be automatically saved after device operation.
- ✓ LED displays the heating status.



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## Paraffin Trimmer

### Model YR58

The model YR458 Block Trimmer is used to remove excess wax from the outside of a tissue cassette and to clear the edge of the cassette of excess wax after paraffin embedding.

This device features a ridged heating surface where the temperature can be adjusted in a range from ambient to 90°C. By sliding the outside of the block across the heated surface, excess wax on the outside of tissue cassette will melt and flow away from the grooves and the hole at the lowest point flows into a waste tray.

This block trimmer can quickly remove paraffin in order to properly seat the block in the quick-release clamp or microtome vise to achieve the best section quality.

This compact and well-designed device can achieve easy and prompt block trimming with precise temperature control by micro-computer chips and without messy wax sticking to the Teflon-coated surface.

#### Features:

- ✓ Full computer automated control
- ✓ Utilizes new type of heating elements that enable fast heating, energy efficiency and reliability
- ✓ Temperature sensors are made in USA, precise and reliable
- ✓ Automatically saves the latest operational settings
- ✓ Memory and automatic restoration function: the present temperature can be automatically saved after device operation
- ✓ LED displays the heating status



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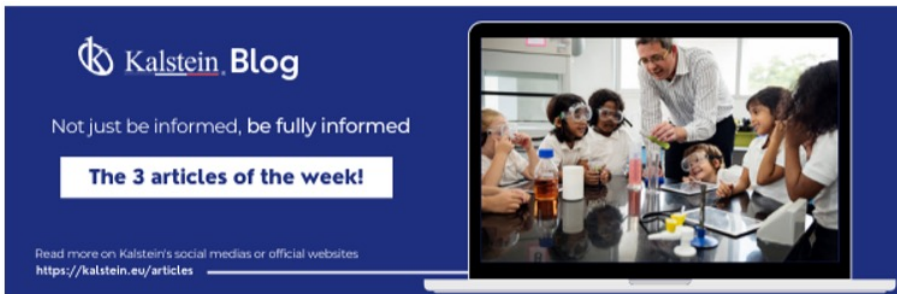


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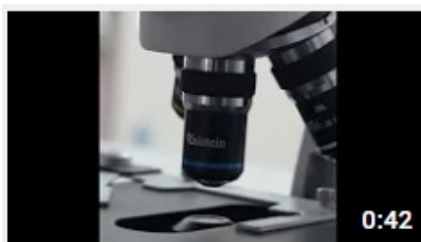


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