



PATHOLOGICAL ANATOMY

MICROTOMES



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Rotary Microtome Model YR422

In the everyday routine inside a laboratory, microscopic substances and samples are very common. Most of the time it is necessary to cut some of the samples in extremely thin slices of material, known as sections. In order to prepare a sample and to make those types of cuts, you must have a microtome, a very essential device in the microscopy field. Microtome use allows the preparation of samples for observation under transmitted light or electron radiation.

Microtomy is a method for the preparation of thin sections for materials such as bones, minerals and teeth, and an alternative to electro polishing and ion milling. Microtome sections can be made thin enough to section a human hair across its breadth. You should know that the model we are offering you is a high-end device that will give you the results you need, in order to accomplish the exact sample cuts.

Rotary Microtome

This is a very common microtome type. It operates with a staged rotary action such that the actual cutting is part of the rotary motion. In a rotary microtome, the knife is typically fixed in a horizontal position. This microtome is the perfect choice for you if what you are looking for is a standard rotary type.

Rotary Microtome Parts

Before you purchase a microtome, you should get familiar with its major parts. First, there is the microtome base plate or stage, where rails secure the knife. Second, there is the knife holder base. Then, there is the knife holder. In addition, there is the cassette clamp or block holder, which hold the paraffin block in place. Moreover, there is the coarse hand wheel and finally there is the micron adjustment.

Rotary Microtome Uses

This rotary microtome has an easy-to-clean housing. The section thickness setting range is 1 -35µm for continuous sectioning. You should know that the sectioning thickness can be set at any value >25µm. The minimum setting of sectioning Thickness is 1µm with a precision Error of ±5%. The maximum Specimen Size is 40×30 mm. Moreover, blade holder can be moved forward-or-backward and left-or-right resulting in easy trimming and sectioning operations. In addition, this model has an LCD screen that shows the number of sections and trims, equipped with a safety alert system. Finally, its

dimensions are 340×335×270mm (W×D×H) and its net weight is 18.5kg.

Features:

- ✓ Easy-to-clean housing.
- ✓ Blade holder can be moved forward-or-backward and left-or-right resulting in easy trimming and sectioning operations.
- ✓ LCD screen shows the number of sections and trims; equipped with a safety alert system.

Technical Specifications:

- ✓ Section thickness range
- ✓ 0 - 25µm for continuous sectioning.
- ✓

The sectioning thickness can be set at any value > 25µm

- ✓ Minimum Setting of Sectioning Thickness: 1µm.
- ✓ Maximum Specimen Size:40×30mm.
- ✓ Precision Error: ± 5%.
- ✓ Dimensions: 340×335×270mm (W×D×H).
- ✓ Net weight: 18.5kg



#Let'sgive more

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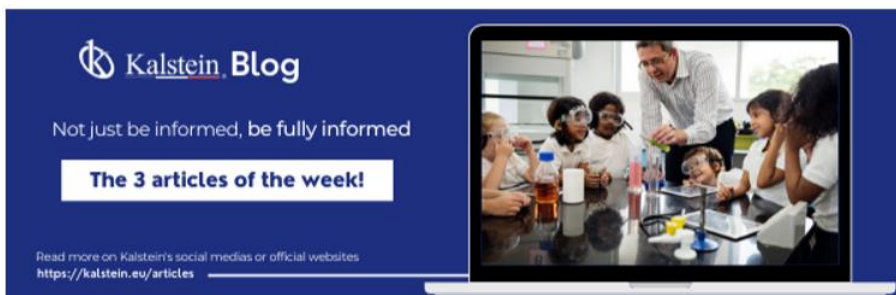
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microscope is an instrument used for observing small objects that are difficult to see with the naked eye. This is a complex device that requires a lot of maintenance and care to ensure it works properly.

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What is the importance of the laboratory refrigerator?
Refrigerator in a laboratory is one of the most important equipment that is used to maintain a controlled environment (refrigerated space), where fluids and substances are stored.

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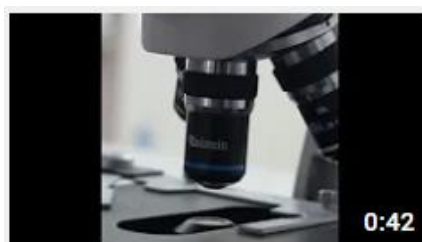
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