

Tissue processor/Stainer



Model : YR437

Tissue processor/Stainer

Manufacturer : Kalstein

Price : \$ 28,000.00

Description :

The staining process is a routine technique that reveals exceptional detail of tissue structure and makeup of the cells. It is a very common auxiliary technique in the microscopy field. In the staining process, the operator highlights the structures in biological tissues and that allows a more detailed look of the sample.

Tissues are made from large groups of cells that cluster together to complete a shared function. A tissue processor is an instrument that is used to analyze and process samples by fixing, staining, dehydrating or decalcifying them.

Tissue processor/staining machine

In the medical field, the staining process defines and examine bulk tissues, cell populations or organelles within individual cells. In the biochemistry field, the staining process involves adding a class specific dye to a substrate to qualify or quantify the presence of a specific compound.

Tissue processor machine

This tissue processor/stainer features an all-in-one design (dehydration processing and staining) that ensures maximum space and reagent savings. It has a fully intelligent design that enables timely determination and automatic recovery during an abnormal event. In addition, its LCD display (Chinese/English) of dehydration processing protocol and staining protocol is clear and reliable. You should also know that it has 20 dehydration processing protocols and 4 staining protocols. Its green inner-cycling air purification system efficiently adsorbs and remove poisonous gas. Moreover, it has an internal dry heating mechanism with high-precision temperature control. On the other hand it has an automatic power protection that ensures that the operation will not be interrupted and the processing performance will not be influenced by power outages. Its imported high-quality parts provides smooth operation, low noise and an ergonomic design.

Tissue processor functions

This model features 16 processing cups 12 stations for reagents; three stations (the 14th, 15th, and 16th station) for heating, and the 7th station is for washing. The dehydration processing time length is adjustable within 0 -

Tissue processor/Stainer

99 hours for the 1st station and within 0 - 24 hours for the 2nd-6th and 11th

- 16th station). In addition, station 11 is a tissue-dehydration protection power outages station. The staining length is adjustable within 0 - 59 minutes and 0 - 59 seconds for the 1st-14th station. Moreover, 40 or more specimens can be dehydrated and 52 slides can be stained at the same time. Its working voltage is AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz. In addition, its power requirements is 500W. Finally, its general dimensions are 1055×470×470 mm (W×D×H) and its net weight is 73Kg.

Product Name: YR437 Tissue processor/Stainer.

Product Categories: Staining Machine.

Features:

- All-in-one design (dehydration processing and staining) ensures maximum space and reagent savings.
- Fully intelligent design, enabling timely determination and automatic recovery during an abnormal event.
- LCD display (Chinese/English) of dehydration processing protocol and staining protocol, clear and reliable.
- 20 dehydration processing protocols and 4 staining protocols.
- Green inner-cycling air purification system to efficiently adsorb and remove poisonous gas.
- Internal dry heating mechanism with high-precision temperature control.
- Automatic power protection ensures that the operation will not be interrupted and the processing performance will not be influenced by power outages.
- Imported high-quality parts, smooth operation, low noise, ergonomic design.

Major Technical Specifications:

- Number of Cups: 16 (12 stations for reagents; three stations (the 14th, 15th, and 16th station) for heating, and the 7th station for washing).
- Length of Dehydration Processing Time: Adjustable within 0-99 hours for the 1st station and within 0-24 hours for the 2nd-6th and 11th-16th station).
- Tissue-dehydration protection station (protection the tissue by power outages): Station 11.
- Length of Staining: Adjustable within 0-59 minutes and 0-59 seconds for the 1st-14th station.
- Temperature Range of Paraffin Chamber: RT - 80°C.
- Heating Mechanism: internal dry heating.
- Capacity of Each Cup: 750 ml.
- 40 or more specimens can be dehydrated and 52 slides can be stained at the same time.
- Temperature Control Precision: ±1°C.

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- Frequency of agitating: 0 – 6 times/min.
- Battery backup with more than 6 hours of continual running power.
- Working Voltage: AC 220V±10% 50Hz (standard model); AC110V±10% 60Hz.
- Power: 500W.
- Dimensions: 1055 x470 x470mm (WxDxH).
- Net weight: 73 kg.