

Automated Tissue Processor

Introduction:

This automated tissue processor programmatically controls the immersion of human, animal, or plant tissue samples in solvents for standardized histological processing including dehydration, clearing, and paraffin infiltration as critical pre-analytical steps for pathological examination.



Features:

- \* HD Touchscreen with Intuitive UI: Multi-language support, full real-time parameter display, and high-sensitivity touch operation.
- \* Programmable Scheduling: Set start times for arbitrary time slots within a weekly cycle.
- \* Power-Off Memory: Retains pre-interruption settings upon power restoration.
- \* Delay-Start Heating: Energy-efficient operation enabled via smart temperature control.
- \* Dual Activated Carbon Filtration: Effectively neutralizes exhaust odors, maintaining indoor air quality.
- \* High-Throughput Processing: Handles ≥200 specimens/batch, enhancing diagnostic efficiency and data accuracy.

Technical Parameters:

Model	BK-TS4
Reagent Bottle Number	12 bottles (Bottles 1-10: Dehydration solvents; Bottle 14: Xylene; Bottle 15: Alcohol)
Single Bottle Capacity	3.5L
Single Reagent Processing Time	0~99h59min, adjustable
Paraffin Bath Number	3
Paraffin Bath Temperature	50~80°C, adjustable
Temperature Control Accuracy	±2°C
Processing Chamber Volume	4.4L
Sample Processing Capacity	≥200 samples/batch
Vacuum Pressure	<0.1 MPa
Noise	≤60dB
Power Consumption	1000W
Power Supply	AC220V, 50/60Hz(Standard); AC110V, 60Hz(Optional)
External Size(W*D*H) mm	685*640*1300
Package Size(W*D*H) mm	750*800*1650
Net Weight(kg)	100
Gross Weight(kg)	150

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Features:

- \* The device has a high-definition color LCD touch screen and is programmable for 20 routines, simplifying operation and monitoring.
- \* It automates the entire process from sample transfer to dehydration, reducing manual work and enhancing efficiency.
- \* With an organizational basket capacity of 100 embedding cassettes, it can be upgraded to a double-basket configuration, enabling processing of up to 200 cassettes.
- \* Powered by a high-performance AC constant-speed motor, it ensures stable and quiet operation with high torque for accurate dehydration.
- \* The permanent magnet synchronous motor facilitates thorough tissue-solvent and wax mixing, ensuring effective dehydration.
- \* The wax tank features a digital constant-temperature control system with high precision and an electrode-oxidized inner surface for anti-pollution and corrosion resistance.
- \* An activated carbon filter and exhaust system minimize air pollution, and a vacuum extraction device enhances tissue permeation and dehydration.

Technical Parameters:

Model	BK-TS6
Cup Number	12pcs (9pcs reagent cup, 3pcs paraffin cup)
Single Cup Capacity	2300ml
Single Cup Processing Time	0~99h59min
Single Paraffin Cup Capacity	1800ml
Agitation Frequency	5min/time
Dehydration Basket Size	Φ127*110mm
Dehydration Basket Capacity	100 cassettes
Program Storage	20sets
Noise	≤60dB
Power Consumption	400W
Power Supply	AC220V, 50/60Hz(Standard); AC110V, 60Hz(Optional)
External Size(W*D*H) mm	Φ800*630~760mm
Package Size(W*D*H) mm	Main instrument: 940*940*820; Reagent bottle: 660*460*540
Net Weight(kg)	85
Gross Weight(kg)	Main instrument: 120; Reagent bottle: 50