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.

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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(A)
Power Consumption	1000W
Power Supply	AC220V,50/60Hz(Standard); AC110V, 60Hz(Optional)
Standard Accessories	Dehydration Basket *1; washing bottles*2; reagent bottles*10; activated carbon bottles*2
External Size(W*D*H)	685*640*1300mm
Package Size(W*D*H)	750*800*1500mm
Net Weight	140kg
Gross Weight	170kg

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:

* 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.

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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(A)
Power Consumption	400W
Power Supply	AC220V,50/60Hz(Standard); AC110V, 60Hz(Optional)
Standard Accessories	Dehydration Basket *1; reagent cups*9; paraffin cups*3; activated carbon bag*1
Optional Accessories	Dehydration Baskets *2
External Size(W*D*H)	Φ800*630~760mm
Package Size(W*D*H)	Main instrument: 940*940*820mm; Reagent bottle: 470*640*570mm
Net Weight	75kg
Gross Weight	Main instrument:100kg; Reagent bottle:32kg