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AUTOMATIC TISSUE FLOTATION BATH AND BAKING PROCESSOR (2 IN 1)

Automatic Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 350

Automatic Tissue Flotation Bath and Baking Processor (2 in 1) ToronTFB™ 350 is a compact bench-top unit designed to spread paraffin sections on warm water and support slide drying in one workstation. This model combines a flotation bath and baking processor with independent heating control, so each function can operate without affecting the other.

This Tissue Floatation Bath is built for laboratories that need stable temperature control, fast heating, and a space-saving layout for routine histology work. ToronTFB™ 350 is a automatic temperature memory, rapid heating, and corrosion-resistant construction, all aimed at smoother daily slide preparation.

ToronTFB™ 350 is a practical fit for pathology, histology, teaching, and research labs that want to move from section floating to slide baking with a simple, integrated workflow.

APPLICATIONS

Automatic Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 350 Applications

- Histology and pathology laboratories: an Automatic Tissue Flotation Bath and Baking Processor (2 in 1) is used to flatten thin paraffin sections on warm water before they are transferred to slides. ToronTFB™ 350 adds an integrated baking function, which helps support the next step of slide preparation in the same unit.
- Routine slide preparation: this Tissue Floatation Bath is suitable for daily laboratories that prepare paraffin sections for staining and microscopy. The combined spread-and-bake design can help reduce bench movement between separate devices.

- Research and teaching laboratories: the compact design and straightforward control also make the unit useful in academic and research settings where consistent section spreading and slide drying are needed for training and sample preparation.

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FEATURES

Automatic Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 350 Key Features

- Integrated flotation and baking design: ToronTFB™ 350 combines section spreading and baking in one compact unit. This helps simplify the slide-preparation workflow at the bench.
- Independent heating control: the flotation bath and baking section use separate heating control, allowing each area to work independently. This gives the operator more flexibility during daily use.
- Adjustable thermostatic temperature control: water temperature for spreading and temperature for roasting are both adjustable up to 90°C, with automatic thermostatic control.
- Memory and restart recovery: the system automatically keeps the last temperature setting and restores operation after restart. It is also designed to continue working and correct errors automatically if power is interrupted and then restored.
- Rapid heating performance: the unit uses a high-tech heating control system for fast heating and slide baking.
- Compact, lightweight structure: the system is designed with a small footprint and light structure, making it easy to place in routine histology work areas.
- Abrasion- and corrosion-resistant construction: special materials are used to improve resistance to wear and corrosion, supporting longer service life in laboratory environments.

THEORY & METHOD

Theory and Method

An Automatic Tissue Flotation Bath and Baking Processor (2 in 1) works by holding water at a controlled warm temperature so thin paraffin sections can relax, flatten, and spread before mounting on slides. Once the section is transferred, a baking or drying stage helps improve slide readiness for downstream staining and observation.

ToronTFB™ 350 combines these two functions in one bench-top platform. The flotation bath and baking processor use separate heating control, which allows each zone to maintain its own working condition without interfering with the other.

The system also stores the last set temperature and can recover that setting after restart. This helps support more consistent routine use in laboratories with repeated daily workflows.

TECHNICAL SPECIFICATIONS

Automatic Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 350 Technical Specification

Parameter	ToronTFB™ 350
Product type	Automatic Tissue Flotation Bath and Baking Processor (2 in 1)
Water temperature for flotation	Indoor temperature to 90°C max, adjustable and automatically thermostatic
Temperature for baking	Indoor temperature to 90°C max, adjustable and automatically thermostatic
Memory function	Automatically retains set temperature after operation
Capacity of 2 water baths	1.5 L and 1 L
Capacity of slide dryer	48 microscope slides
Power voltage	AC110–220V ±10%, 50/60Hz

Parameter	ToronTFB™ 350
Power	≤550 W
Environmental temperature	0–40°C
Dimensions	630 × 380 × 130 mm
Floatation bath plate size	300 × 240 × 65 mm
Baking plate size	280 × 240 × 20 mm

Standard Accessories

- Power wire (1 pcs)
- Fuse (2 pcs)

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