



LOW VOLTAGE TISSUE FLOTATION BATH AND BAKING PROCESSOR (2 IN 1)

Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 300

Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) ToronTFB™ 300 is a compact bench-top unit designed to flatten paraffin sections on warm water and support slide drying in one workstation. ToronTFB™ 300 combines a water bath and baking processor with independent heating control, touchscreen operation, and automatic temperature memory, making it suitable for routine histology slide preparation.

This Tissue Flotation Bath is built for laboratories that want stable temperature control, quick heat-up, and a compact layout for daily use. ToronTFB™ 300 is known for LED low-voltage lighting, transparent heating for clearer viewing, infrared-based temperature control, and corrosion-resistant materials to support practical bench work.

ToronTFB™ 300 is a good fit for pathology, histology, teaching, and research labs that want to move from section floating to slide baking with a simple, integrated workflow. The unit also offers capacity for up to 40 microscope slides, which suits routine daily slide preparation.

APPLICATIONS

Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 300 Applications

- Histology and pathology laboratories: a Low Voltage Tissue Flotation Bath and Baking Processor(2 in 1) is used to relax and flatten thin paraffin sections on warm water before they are transferred to slides. ToronTFB™ 300 adds a baking section in the same unit, which helps keep slide preparation more organized at the bench.
- Routine paraffin section preparation: this Tissue Flotation Bath is suitable for daily workflows where paraffin sections need to be floated, picked up, and dried before staining or microscopy. The integrated spread-and-bake layout reduces

the need to move slides between separate devices.

- Research and teaching laboratories: the compact structure and touchscreen control also make the unit useful in research institutes, colleges, and teaching labs. This product family is really suitable for hospitals, medical colleges, health and epidemic prevention departments, and animal and plant science research institutions.



FEATURES

Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 300 Key Features

- Integrated flotation and baking design: ToronTFB™ 300 combines section spreading and slide baking in one compact unit. This helps simplify the workflow and reduce movement between separate devices.
- Independent heating control: the water bath and baking processor operate with separate heating power. This allows each section to function independently without affecting the other.
- Touchscreen control system: touchscreen control as part of the platform design. This helps users manage settings in a more direct and modern way during routine operation.
- Adjustable thermostatic temperature control: the water temperature for flotation and the temperature for roasting are both adjustable from ambient temperature to 90°C maximum with automatic thermostatic control.
- Automatic temperature memory: the system automatically retains the last set temperature after operation. This helps simplify startup for repeated daily use.
- Restart recovery function: if power is interrupted unexpectedly, the unit is designed to continue working and correct errors automatically after power returns.
- Rapid heating performance: the control system is designed for accurate temperature control and fast heating, helping the unit reach working condition more efficiently.
- LED low-voltage lighting: an LED low-voltage DC lighting system for clearer viewing around the working area.
- Infrared-based temperature sensing: more accurate temperature control through an infrared sensor, supporting steadier working conditions.
- Corrosion- and abrasion-resistant construction: special materials are used to improve resistance to abrasion and corrosion, which supports longer-term use in laboratory environments.

THEORY & METHOD

Theory and Method

A Low Voltage Tissue Flotation Bath and Baking Processor(2 in 1) works by keeping water at a controlled warm temperature so thin paraffin sections can relax, flatten, and spread before being transferred to slides. After pickup, a heated drying or baking area helps prepare the slides for downstream staining and microscopic examination.

ToronTFB™ 300 follows this method by combining flotation and baking in one bench-top platform. The water bath and baking processor use independent heating control, so each area can maintain its own working condition without interfering with the other.

The system also stores the last temperature setting and can resume operation after restart. That helps support more consistent daily use in laboratories with repetitive slide-preparation workflows.

TECHNICAL SPECIFICATIONS

Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) - ToronTFB™ 300 Technical Specification

Parameter	ToronTFB™ 300
Product type	Low Voltage Tissue Flotation Bath and Baking Processor (2 in 1) / Tissue Floatation Bath
Water temperature for flotation	0-99°C max, adjustable and thermostatic
Temperature for baking	0-99°C max, adjustable and thermostatic
Capacity of water bath	230 × 230 × 58 mm
Capacity of slide dryer	≤40 microscope slides

Parameter	ToronTFB™ 300
Voltage and power	220V / 50Hz or 110V / 60Hz
Temperature precision	±1°C
Environmental temperature	0-40°C
Dimensions	640 × 390 × 130 mm
Net weight	11 kg

Standard Accessories

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



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