



TORONTECH



BASIC TISSUE FLOTATION BATH (WATER BATH)

Basic Tissue Flotation Bath (Water Bath) - ToronTFB™ 100

Basic Tissue Flotation Bath (Water Bath) ToronTFB™ 100 is a compact bench-top unit designed to flatten paraffin sections on warm water before slide pickup. This Tissue Flotation Bath uses LCD temperature display, automatic temperature memory, and stable thermostatic control to support routine histology slide preparation.

This model is suited for laboratories that want a straightforward flotation processor with fast heating, compact dimensions, and corrosion-resistant construction. ToronTFB™ 100 is a small, lightweight, and built with durable materials for repeated daily use.

ToronTFB™ 100 is a practical fit for pathology, histology, teaching, and research labs that need reliable section spreading without moving to a larger combined flotation-and-baking platform.

APPLICATIONS

Basic Tissue Flotation Bath (Water Bath) - ToronTFB™ 100 Applications

- Histology and pathology laboratories: a Basic Tissue Flotation Bath (Water Bath) is used to relax and flatten thin paraffin sections on warm water so they can be transferred to microscope slides more cleanly. ToronTFB™ 100 is well suited for routine section spreading in histology and pathology workflows.
- Routine paraffin section preparation: this Tissue Flotation Bath supports daily paraffin section handling where stable temperature control and a compact working area are important. Its 2.5 L capacity and small bench footprint make it suitable for routine slide-preparation stations.
- Research and teaching laboratories: ToronTFB™ 100 is a tissue flotation processor for histological processing, which also makes it useful for academic, research, and training environments that need consistent section flattening before staining or microscopy.



FEATURES

Basic Tissue Flotation Bath (Water Bath) - ToronTFB™ 100 Key Features

- Compact flotation processor design: ToronTFB™ 100 is designed as a small, lightweight Basic Tissue Flotation Bath (Water Bath) for routine bench use with those compact dimensions and easy operation for daily histology work.
- Adjustable temperature setting: the bath temperature can be set freely from 0 to 100°C. This gives the user flexibility to match the water temperature to the section type and workflow preference.
- High-precision thermostatic control: the control accuracy is $\pm 0.5^{\circ}\text{C}$, which helps maintain a more stable floating environment for delicate paraffin sections.
- LCD temperature display: the LCD shows both the actual temperature and the preset temperature. This improves visibility and makes communication between the user and the unit more direct during operation.
- Automatic temperature memory: the system automatically remembers the last set temperature. This helps simplify repeated startup in routine laboratory use.
- Restart recovery after power interruption: if power is cut unexpectedly, the unit is designed to continue working and correct the interruption after power returns. This supports more reliable operation during daily lab workflows.
- Fast heating and energy-saving operation: the unit is fast-heating, durable, and energy-saving. This supports efficient routine use in busy histology and pathology environments.
- Abrasion- and corrosion-resistant materials: special construction materials are used to improve resistance to abrasion and corrosion, supporting longer service life in laboratory settings.

THEORY & METHOD

Theory and Method

A Basic Tissue Flotation Bath (Water Bath) works by holding water at a controlled warm temperature so thin paraffin sections can relax, flatten, and spread before mounting on slides. The operator places the section on the water surface, allows wrinkles to release, and then lifts the section onto a slide for downstream drying, staining, or microscopy.

ToronTFB™ 100 follows this method through a heated flotation bath with adjustable temperature from 0 to 100°C and thermostatic control accuracy of ±0.5°C. The LCD shows both the current temperature and the preset temperature, which helps the operator monitor working conditions more easily during section handling.

The system also stores the last temperature setting automatically and is designed to resume operation after an unexpected power interruption. That helps support more consistent day-to-day use in laboratories with repetitive slide-preparation workflows.

TECHNICAL SPECIFICATIONS

Basic Tissue Flotation Bath (Water Bath) - ToronTFB™ 100 Technical Specification

Parameter	ToronTFB™ 100
Product type	Basic Tissue Flotation Bath (Water Bath) / Tissue Floatation Bath
Capacity	2.5 L
Temperature setting range	0 to 100°C, arbitrarily adjustable
Thermostatic control accuracy	±0.5°C
Rated power	300 W
Voltage	AC 110–220 V, 50/60 Hz

Parameter	ToronTFB™ 100
Overall dimensions	330 × 370 × 140 mm
Floating bath size	280 × 240 × 6 mm
Weight	8 kg

Standard Accessories

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



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