

ADVANCED TISSUE FLOTATION BATH (WATER BATH)



Advanced Tissue Flotation Bath (Water Bath) - ToronTFB™ 180

Advanced Tissue Flotation Bath (Water Bath) ToronTFB™ 180 is a compact bench-top unit designed to flatten paraffin sections on warm water before slide pickup. This Tissue Flotation Bath combines fast heating, touchscreen control, automatic memory, and a transparent illuminated bath to support routine histology slide preparation.

This unit is intended for laboratories that want stable temperature control, clear visual monitoring, and dependable daily operation in a small footprint. ToronTFB™ 180 has advanced heating materials, a laser sensor for more accurate temperature measurement and control, borosilicate tempered glass for the bath, and corrosion-resistant coating materials for longer service life.

ToronTFB™ 180 is a practical fit for pathology, histology, research, and teaching labs that need a modern Advanced Tissue Flotation Bath (Water Bath) with better visibility and programmable startup support, but without moving to a larger flotation-and-baking platform.

APPLICATIONS

Advanced Tissue Flotation Bath (Water Bath) - ToronTFB™ 180

Applications

- Histology and pathology laboratories: a Tissue Flotation Bath is used to relax and flatten thin paraffin sections on warm water so they can be transferred to microscope slides more cleanly. ToronTFB™ 180 is suited for routine section spreading in histology and pathology workflows.
- Routine paraffin section preparation: this Advanced Tissue Flotation Bath (Water Bath) supports daily paraffin section handling where stable temperature control and a compact working area are important. Its 2.3 L capacity and compact format make it a good fit for routine slide-preparation stations.

- Research and teaching laboratories: the ToronTFB™ 180 model for general tissue floatation processing, which also makes it suitable for research, training, and academic environments that need consistent section flattening before staining or microscopy.



FEATURES

Advanced Tissue Flotation Bath (Water Bath) - ToronTFB™ 180 Key Features

- Fast-heating design: ToronTFB™ 180 uses advanced heating materials to support quick heat-up, good efficiency, and longer service life.
- Laser-sensor temperature control: a laser sensor is used for more accurate temperature control and measurement. This helps improve working consistency during section floating.
- Touchscreen display: the touchscreen shows the actual temperature and the preset temperature separately, along with real-time working status, making the process easier to monitor.
- Automatic memory function: the system retains the set temperature automatically after operation. This supports faster routine startup in repeated daily use.
- Programmable startup and shutdown: the unit can be set for automatic startup and shutdown timing, helping the bath reach working condition before the lab begins routine work.
- Borosilicate tempered glass bath: the bath uses borosilicate tempered glass, which the supplier highlights for excellent thermal stability.
- LED lighting with transparent bath view: a LED lighting system illuminates the transparent heating bath, helping the user observe sections more clearly during flotation.
- Corrosion- and abrasion-resistant surface: special coating materials are used to improve resistance to corrosion and abrasion, supporting longer service life in laboratory environments.

THEORY & METHOD

Theory and Method

An Advanced 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™ 180 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 touchscreen displays both the actual temperature and the preset temperature, which helps the operator monitor working conditions during section handling.

The system also stores the last temperature setting automatically and supports automatic startup and shutdown timing. That helps maintain more consistent routine use in laboratories with repeated slide-preparation workflows.

TECHNICAL SPECIFICATIONS

Advanced Tissue Flotation Bath (Water Bath) - ToronTFB™ 180 Technical Specification

Parameter	ToronTFB™ 180
Product type	Advanced Tissue Flotation Bath (Water Bath) / Tissue Floatation Bath
Capacity	2.3 L
Temperature setting range	0 to 100°C, arbitrarily adjustable
Thermostatic control accuracy	±0.5°C
Rated power	300 W

Parameter	ToronTFB™ 180
Voltage	AC 110-220 V, 50/60 Hz
Overall dimensions	330 × 370 × 140 mm
Floating bath size	230 × 230 × 60 mm
Weight	8 kg

Standard Accessories

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



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

