

**ZipThaw™ 202 & ZipSleeve™**

# ZipFast. ZipPrecise. ZipThaw.

Contact us to learn more about ZipThaw.

Web: [fremonscientific.com](http://fremonscientific.com)

Email: [info@fremonscientific.com](mailto:info@fremonscientific.com)

Phone: 1-617-308-4405



ZipThaw's unique dry technology, second-by-second accuracy and quick thawing unlocks your ability to zip plasma to patients in need.

**Safe**

Disposable ZipSleeve triple redundancy fail-safes reduce or eliminate cross-contamination.

**Control**

Control chain-of-custody with the integrated barcode scanner.

**Vital**

Proven to preserve coagulation rates.

**Fast**

Rapidly thaw FFP from -30°C to 33°C.

**Portable**

Dry, light weight and never needs recalibration.

**Warranty**

Full replacement 3 year warranty.

**ZipThaw is a dry thawing medical device that lets you quickly, evenly and precisely thaw fresh frozen plasma.**

Slide an FFP specimen bag in the disposable ZipSleeve, wave at the integrated barcode scanner, insert into a ZipThaw chamber, press a button. Observe the screen to see the rapid thawing curve in process.

- ▶ Accelerate your workflow: Each chamber works independently so you can continuously thaw specimens.
- ▶ Know specimen viability: A precise temperature display with alarm that alerts shut off.
- ▶ Optimize data: Each thaw is tracked on a hard drive with data you can export later.
- ▶ Manage the curve: ZipThaw lets you set, pause and continue each thaw.

# Proven Preservation of Coagulation Factors

- ▶ Controlled study conducted in 2019 at San Diego Blood Bank and UCSD School of Medicine clinical lab.
- ▶ 100% concordance between ZipThaw and leading plasma thawing methods.



ZipSleeve is a disposable protective layer with patented sensors. It works with ZipThaw to continuously monitor and report your specimen's temperature, not its surroundings. It is a multi-use disposable that tracks its use status and can't be reused past expiration.

## Specifications

**Thawing Technology:** Electrical power, disposable sensor bag

**Typical Thawed Bag Capacity:** Single or Dual Bags

**Cushions Heating Temperature:**

- Idle (Standby): 33°C
- Thawing: 36.5°C

**ZipSleeve Sensors Cutoff Temperature:** 33°C

**Agitation Method:** Electronic control mechanical massage

**Agitation Parameters:** Cycle: 1.7 c/sec. Amplitude: ±32mm

**Visual Display/User Interface:** 7" touch screen w/ graphical user interface

**System:** Main CPU: VAR-SOM-SOLO/Dual: Freescale i.MX6

- High performance 1.0 GHz Single and Dual Core Cortex-A9™
- 1GB DDR3, 1GB SLC NAND and 64GB eMMC
- Full HD 1080p video encoding/decoding capability
- Vivante GPU providing 2D/3D acceleration

**Storage humidity (non-condensing):** 30% - 90% non-condensing

**Interface & Network:** USB

- USB 2.0 OTG
- USB 2.0 Host

**Memory Bank:** Internal for 2,000 thawing records

**Internal Power Supplies:** Medical grade, isolating power-supply

- Input: 100-240Vac, maximum rated current 2.5A
- Outputs: 2 X 24VDC, 12.5A maximum current

**Electrical Rating (V/Hz/A):** 100-240Vac, 50/60Hz 2.5Amp

**Size: [W x D x H]:** cm: 47.1 x 27.6 x 41.6 (including the top handle),  
inch: 18.5 x 10.9 x 16.4 (including the top handle)

**Weight:** 24.2lb/11Kg

**Portable:** Yes

**Environmental Requirements:**

- Ambient Operating Temp: 10°C to 32°C (50°F to 86°F)
- Ambient Humidity: 20% to 70% non-condensing
- Storage Temperature (in original packaging): -20°C to 70°C  
-4°F to 158°F