FreMon SCIENTIFIC

FDA CLEARED · UL LISTED · CE · ISO

Dry, Portable, Fast Plasma Thawing

ZipThaw 202™ & ZipSleeve

ZipFast. ZipSafe. ZipThaw.

ZipThaw is a plasma thawing medical device that is fast, dry, portable, precise, easy-to-use. Most critically, ZipThawing plasma recovers the maximum levels of Coagulation Factors and Antibodies.

Melting & thawing at the point of care.

Safe
Disposable ZipSleeve triple redundancy fail-safes dramatically reduces cross-contamination.

Easy
Integrated barcode scanner, touch screen, disposable sleeve–and a dry & portable form factor make ZipThaw easy to use.

Preserve Levels
ZipThawing plasma is proven to preserve the maximum levels of coagulation factors and antibodies.

Fast
Melt or Thaw plasma from frozen in minutes, all at the point of care.

Portable
Dry, light weight and never needs recalibration when moved.

Quality
Made in the USA. Fully certified. **3-year full replacement warranty.**

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

Use the integrated barcode scanner, slide a plasma specimen bag in the disposable ZipSleeve, insert into ZipThaw chamber, press a button for Melt or Thaw presets, stop the cycle anytime.

- **Accelerate throughput:** Each chamber works independently so you can continuously melt and thaw specimens.
- **Know viability:** Precise temperature display with alarm that alerts shut off.
- **Capture data:** Each thaw is tracked on a hard drive with data to export later.

Contact us to learn more about ZipThaw.
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ZipThaw 202™ & ZipSleeve

Maximum Preservation of Coagulation Factors and Antibodies

- In 2019, at the San Diego Blood Bank and UC San Diego School of Medicine, ZipThaw reproducibly and reliably thawed FFP and PF24 with preservation of coagulation factors for clinical use - data submitted to FDA and presented at ASCO and AABB 2019 conferences.
- In 2020, ZipThaw demonstrated to thaw COVID-19 convalescent plasma to reliably recover immunoglobulins: IgA, IgM, and IgG mg/dl levels were measured across all samples by the UCSD Clinical Chemistry Lab. 100% concordance with all samples yielding equivalent levels of Immunoglobulins recovered post-ZipThaw compared to pre-freeze levels.

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 RFID sleeve

Typical Capacity: Single or dual independently operated chambers

Heating Temperature:
- Thawed plasma not to exceed 37°C±0.5°C
- Precise sensors display end-of-run actual thawed plasma temperature

ZipSleeve Sensors Cutoff Temperature: Melt 15°C / Thaw 31°C

Agitation Method: Electronic control mechanical massage

Visual Display: 7" touch screen

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

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

Interface & Network: USB 2.0 OTG

Internal Memory: Stores 2,000 most recent cycles

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: 29lb/13Kg

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)