

Frozen Island



A new era in biological sample management

Innovation and standardization
in intraoperative consultation



Redefining the future of biological sample management

The **“Frozen Island”** from **A. Menarini Diagnostics**: an integrated solution that revolutionizes how intraoperative analysis and diagnosis are performed during urgent surgical procedures and transplants.

The quality of molecular analysis begins in the operating room with **tissue sample acquisition** and continues with **processing, staining and analysis**.

PrestoCHILL, PRESTO, PRESTO PRO, NAVIGO protect and leverage the value of biological samples throughout this process to provide accurate and reliable diagnoses, manage clinical risks, and ensure the best result for patients.

Island

FROZEN

Sampling and staining

- Superior standardization
- Full automation/No variability due to human error
- Reliability/dedicated protocols
- Short turnaround time
- Enhanced operator safety
- Respect for the environment
- Compact and robust design



Analysis

- Full automation
- Perfect image quality
- Easy operation
- Plug & play
- Reliability & flexibility
- Cost-effective



PrestoCHILL

Flash chiller for frozen sections

Innovation and standardization
for fast and accurate results

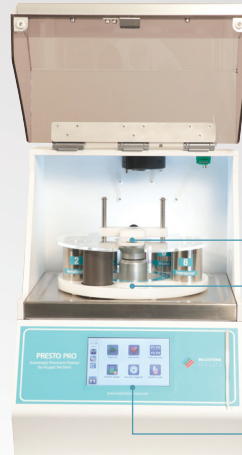


- Heat extractors
- 6 removable aluminum molds (various shapes and sizes)
- Chuck freezing area
- USB port for full documentation
- Touch screen monitor (4.3")

PRESTO & PRESTO PRO

Processors/stainers

Complete automation of
sample processing and staining



Technical specifications are referred to PRESTO PRO

- Robotic arm for slide delivery
- Processing/staining carousel
- USB port for full documentation
- Touch screen monitor (4.3")

NAVIGO

Automated slide scanner
for smart digital pathology

Perfect images with
network integration tools



- Motorized revolver with 4 high-res objectives (4x, 10x, 20x, 40x)
- 2-slide tray and slot for fast slide preview
- Full HD 15" touch screen monitor and onboard processor

**INNOVATIVE, FLEXIBLE,
FAST, RELIABLE**

**Innovative patented “face down”
embedding technique
Stirling cooling device**

- No freezing artifacts
- Up to 6 samples can be frozen simultaneously at -40 °C in 60”
- Temperature set point control from -20 °C to -80 °C
- Perfectly flat sample orientation
- Reduced trimming time and facilitated specimen sectioning

**SAFE AND
ECO FRIENDLY**

- No operations inside the cryostat chamber during the freezing step
- No liquid nitrogen, no CO₂, no isopentane, HEPA filter
- No CFCs

SIZE WEIGHT

W 30 cm 25 kg
H 45 cm (closed)
D 54 cm

Biobanking version also available with aluminum tank for freezing solutions and dedicated 12-position cryovial holder.

**COMPACT, AUTOMATED,
FULLY PROGRAMMABLE**

**Innovative processing technique with
patented FineFIX® formalin-free fixative**

- Automated slide handling system
- Temperature control system for solutions
- Up to 6 slides simultaneously
- Processing and staining in 150”
- Icon-based interface for reagents, operators, alarms and event logs

**SAFE AND
EASY TO USE**

- Built-in exhaust system
- Splash guard to avoid cross contamination of solutions
- Fully programmable protocols for high-quality and standardized results, independent of operator skills

SIZE WEIGHT

W 44 cm 42 kg
H 61 cm (closed)
D 52.5 cm

**POWERFUL COMPLETELY
INTEGRATED SYSTEM**

- Automated whole-slide scanner
- Various hardware profiles (histology, cytology, hematology)
- High-quality CCD camera
- Integrated 1D and 2D barcode reader
- Digital microscope for live mode slide browsing
- Remote digital microscopy
- Z-stack acquisition

OPTIONALS

- **Naviweb**, web interface for remote slide viewing and sharing
- IHC Membrane and IHC Nuclei analysis modules
- Archive
- “Enjoy” joystick for easier navigation

SIZE WEIGHT

W 68 cm 31 kg
H 52 cm
D 40 cm

Frozen Island

THE QUALITY THAT COMES FROM COLD



Intended for professionals only

Frozen Island



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