HistoCore PELORIS 3

CORE HISTOLOGY SOLUTIONS

PREMIUM TISSUE PROCESSING SYSTEM

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Advancing Cancer Diagnostics Improving Lives



FOUNDATION FOR SUCCESS

The HistoCore PELORIS 3 seamlessly adapts to your incoming workflow demands without compromising tissue quality. World-leading processing times, unmatched protocol flexibility, and an intuitive design help enable laboratories to provide same-day results to pathologists.

Combined with advanced safety features, protecting both your laboratory and patient samples, the HistoCore PELORIS 3 will become your foundation for high-quality results; every time.





RETORT ONE RETORT TWO KEY: Overnight Run Routine Biopsies Urgent Biopsies Urgent Breast Samples

YOUR SCHEDULE, YOUR WAY

Load and unload cassettes on your schedule, not the instrument's. The unique dual-retort design, short cycle times and flexible protocols give you the flexibility to establish and adapt a workflow to meet the demands of your laboratory every day.

Urgent biopsies coming in? A validated 1 hour rapid protocol has your back. Breast samples ready for diagnosis within the same day? No problem, thanks to an optimized 5 hour fatty tissue protocol.

HIGH-QUALITY RESULTS; EVERY TIME

A magnetic impeller in each retort generates a reagent vortex to actively accelerate processing through rapid and even-heating, as well as active reagent distribution.



THE ACTIVFLO SYSTEM provides ideal processing conditions for all tissues. Combine with validated

ACTIVFLO CASSETTES





more efficiently than standard cassettes.









FOUNDATION FOR CRISP, CLEAR STAINS

Histology workflows rely on efficiently fixed, processed and stained samples to enable reliable analysis. Optimal tissue processing conditions for each tissue type on the HistoCore PELORIS 3 lay the foundation for smooth downstream applications and the crisp, clear stains pathologists look for.

Staining (left to right):

- » HistoCore SPECTRA H&E S1 Stain System, Gastrointestinal Tract
- » HistoCore SPECTRA H&E S2 Stain System, Placenta
- » BOND-PRIME Staining Platform, CD23 Chronic Lymphocytic Leukemia

CONFIDENCE IN YOUR RESULTS

Advanced safety features enable your laboratory to automatically track and trace each step of the tissue processing workflow, minimize the risk of reagent change errors, and protect your laboratory from cyberattacks.

The HistoCore I-Scan technology captures each cassette individually, including cassette ID, quantity and color. Use the scanner as well to capture the basket ID, individual user ID's, and reagent information.



ADDED CYBER SECURITY

including Anti-Malware Protection with Windows[®] Defender and whitelisting detection.

TWO BUILT-IN DENSITY METERS

monitor reagent changes and alert users if there's an incorrect concentration to protect the integrity of the tissue.

CORE HISTOLOGY SOLUTIONS



HISTOCORE PELORIS 3 optimizes the lab's footprint by up to



compared to other single-retort instruments.

BENEFITS OF DUAL RETORTS

Compared to two single-retort tissue processors a dual-retort instrument saves valuable lab space. Furthermore, it allows laboratories to reduce tech time and optimize reagent consumption, enabling laboratory managers to run a cost-effective lab.

Histocore PELORIS 3 857 x 721 x 1500 mm Competitor A (2 Instruments Side by Side) Competitor B (2 Instruments Side by Side)

HISTOCORE PELORIS 3

reduces lab tech

maintenance time by up to

72%]



PELORIS PARABLOCKS



Reference:

» Leica Biosystems Case Study Optimizing Automated Tissue Processing Efficiency to Reduce Cost

faster than pellets.

HISTOCORE PELORIS 3 TISSUE PROCESSOR

SYSTEM SPECIFICATIONS	
Instrument dimensions	1500 x 857 x 721 mm
(h x w x d)	(59 x 33.7 x 28.4 in)
Weight	331 kg (730 lbs) dry,
	430 kg (948 lbs) full reagent load
Processing modes	Conventional (Xylene), Xylene-free
Cassette capacity	600 (maximum), 4
	32 (spaced/xylene-free)
Retort	2 (allows for continuous processing)
Heating system	ActivFlo, non-microwave, rapid heat
Reagent station	16
Reagent volume	3.8 L (1 US gal) minimum
	5 L (1.32 US gal) maximum
Paraffin wax stations	4 (each station is capable of filling one retort)
Paraffin melt time	5 hr pellets, 3 hr Parablocks
Reagent management	Concentration, cassettes, days, cycles
Operating voltage	100 to 120 V~ 220 to 240 V~
Operating current (maximum)	16 A (100 to 120 V~) 10 A (220 to 240 V~)
Mains frequency	50/60 H
Power consumption	1450 W (100 to 120 V~) 2150 W (220 to 240 V~)

HISTOCORE I-SCAN SPECIFICATIONS	
Dimensions	174.5x64x38.8 mm
Weight	235g approx.
Buttons	1) Fill-in LED on/off button
	2) Scanning/Photographing trigger button
	3) Tick button

HISTOCORE I-SCAN FOR USE WITH HISTOCORE PELORIS 3

The HistoCore I-Scan scanner enables laboratories to scan 1D/2D barcodes and capture images via an integrated camera and barcode scanning engine. The scanner has an integrated TFT LCD to indicate device mode (scan/camera) and status. A USB cable connects the HistoCore I-Scan to the master instrument for power supply and data transfer. Three buttons on the device help control the scanner, the device mode is set by the master instrument.





Australian Export Awards 2019 NATIONAL WINNER



FOR IN VITRO DIAGNOSTIC USE

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