CORE HISTOLOGY SOLUTIONS

HISTOCORE PEGASUS PLUS
DUAL RETORT TISSUE PROCESSOR

TECHNICAL SPECIFICATIONS

Dimensions and weight specification	
Overall size of device in operating mode (Width x Depth x Height)	804 x 715 x 1533 mm
Overall size serial packaging (Width x Depth x Height)	1040 x 1045 x 1480 mm
Empty weight (without accessories)	235 kg
Overall weight (with accessories)	315 kg
Device weight including packaging	300 kg
Retort	
Capacity	Max. 2 x 200 cassettes
Temperature (paraffin)	Paraffin temperature selectable from 58°C to 85°C
Temperature (processing reagents)	Ambient temperature or 35°C to 65°C
Temperature (cleaning reagents)	35°C to 85°C
Filling vacuum	-60 kPa
Draining pressure	45 kPa
Retort lid hearting	Yes

Paraffin containers	
Number of paraffin baths	4
Capacity	Max. 3.9L per paraffin bath
Melting time	About 4.5 hours for pellets, 3.5 hours for PEGASUS Parablocks
Temperature settings range	Paraffin melting point setting: 50°C to 65°C Standby temperature setting: Paraffin Melting
Waste paraffin drain	By gravity

Capacities	
Number of reagent containers	17 reagent bottles, 1 condensate bottle, max. 3.88L
Protocols	20 freely configurable protocols. 5 pre-installed protocols. 2 pre-installed xylene protocols consisting of up to 10 reagents and 3 paraffin processing steps. 2 pre-installed xylene-free protocols consisting of up to 8 reagents and 3 paraffin processing steps. – Time per protocol step: 0 - 5999 minutes. – Delay time: max. 1000 hours. 1 pre-installed cleaning protocol
Maximum throughput	Up to 400 cassettes can be processed simultaneously
Drip tray	>3.88L
Density Meter	Yes
Reagent management system	• Processing protocol: Cassettes/Cycles/Days/Concentration • Cleaning protocol: Cycles/Days
Hardware and Software	• Color LCD touchscreen, 12 inches • User-friendly, intelligent and multi-lingual user interface • Three USB 2.0 ports, DC 5V • Alarm system with two alarm sockets (for local alarm and remote alarm: 30V DC, maximum 1A) • Smart error handling for specimen protection
Backlighting for reagent cabinets	Yes
Expired reagent bottle visual cue	Yes
Paraffin Cleaning	Yes

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Electrical specifications	
Nominal supply voltage	100-120 VAC/220-240 VAC
Nominal supply frequencies	50/60Hz
Power consumption	100-120 VAC 15A Max.; 220-240 VAC 10A Max.

Other specifications	
CE	Approved
CSA	Approved
Access levels	• Operator • Supervisor • Administrator • Service • Manufacturer
Password status	• Operator • Supervisor • Administrator • Service • Manufacturer
Type of password	Alphanumeric, freely selectable

Environmental specification	
Operating altitude (meters above sea level) (min/max)	Up to a max. of 2250 m above sea level
Temperature (operation) (min/max)	+10°C to +35°C
Relative humidity (operation) (min/max)	Humidity 20% to 80% non-condensing
Temperature (transit) (min/max)	-29°C to +50°C
Temperature (storage) (min/max)	+5°C to +50°C
Relative humidity (transit)	Humidity 10% to 85%
Relative humidity (storage)	Humidity 10% to 85% non-condensing
Minimum distance to walls	80 mm
BTU	• 100-120 V: maximum 6141.86 BTU/h (1800 J/s) • 220-240 V: maximum 8189.14 BTU/h (2400 J/s)

Emissions and boundary conditions	
Overvoltage category to IEC 61010-1	Overvoltage installation category II
Pollution degree to IEC 61010-1	Pollution degree 2
Means of protection to IEC 61010-1	Class I
Degree of protection to IEC 60529	IP20
A-weighted noise level, measured at 1 m distance	<70dB(A)
EMC class	Class A

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