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VITANIX TISSUE PROCESSOR

HISTONOVA SMART-501



MADE IN SLOVENIA

CE

SYSTEM CERTIFICATION ISO 13485 SGS

UKAS MANAGEMENT SYSTEMS 0005

Tissue Processor
Model : HistoNova Smart-501

ABOUT THE PRODUCT

HistoNova Smart 501Tissue Processor is designed for automatic dehydration, transparency and paraffin embedding of human, animal or plant tissues for pathological analysis. It is suitable for laboratories of medical colleges, hospital pathology departments, medical research institutions, animal and plant research units, and food testing departments. As a representative product of HistoNova in tissue processing, it provides high-quality dehydration solution3s for pre-slicing cell tissue and is a preferred choice for modern pathological tissue processing.



KEY FEATURES

Equipped with automatic cylinder-changing function at designated positions.

Sample basket with built-in rotation (every 5 minutes) for thorough reagent mixing and complete reactions.

Aluminum reagent cylinder with handles, safer to use.

Vacuum function (vacuum extraction every 5 minutes) accelerates dehydration, with small specimens done in as little as 3 hours. (optional)

Dual limiters (internal software + external mechanical) to prevent component damage in case of malfunctions.

Obstacle detection sensor: stops operation immediately when an obstruction is detected, avoiding damage from unmelted paraffin or foreign objects.

During automatic cylinder changing, the machine has a 5-second draining time at the top to prevent reagent mixing from affecting the experiment.

10 built-in programs for greater user flexibility.

Power-off protection: resumes operation from the last memory position after power recovery.

Switchable between manual and automatic modes.

Delayed start function: schedule operations up to 30 days in advance to meet workflow needs.

Over temperature Protection

Stainless steel baskets with snap lock mechanism

Power Failure Recovery and defined positioning

Step times are programmable up to 99 hours







TECHNICAL SPECIFICATIONS

Model No.	HistoNova Smart 501
Reagent Cups	2300 ml each 12 (9 cups for reagents, 3 for paraffin wax)
Vacuum function	(Optiona:l-70KPA/-55KPA)
Wax cup temperature setting	55-85ºC
Reagent cups material	Aluminum(Glass optional)
Capacity of Reagent cup	1.3 (2.3L optional)
Basket	1 (2 basket optional)
Processing capabilities	1.3L (50 pcs per basket) 2.3L (80 pcs per basket)
Tissue Processing Steps	12 steps
Number of reagent cups	9 (with a volume of 1.3L /2.3L for a larger volume)
Number of reagent cups	3 (with a volume of 1L /1.8L for a larger volume)
Minimum time interval setting	1min
Frequency of basket stirring	5 times/min, 60sec for each time
Vacuum pump working time	5 times/min, 60sec for each time
Reagent cup residence time setting range	0-2000min
Program:Maximal turn-on dely	1 month
Program: Duration in each cup	0-10 hours (10 programs)
Voltage and frequency	AC 220V/ 50Hz
Power	300W
Net weight	65KGS/75KG
Size	Φ660* (600-720) ϕ780* (600-720) mm

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