

DIA PATH

Donatello

Tissue processor Series 2



IVD CE

Made in Italy

Donatello

Tissue processor Series 2



- 1 15" LCD Touch screen PC monitor
- 2 3 paraffin reservoirs
- 3 Lock/Unlock retort (SPC chamber) – software controlled , suction fume mitigation system Fast
- 4 connectors for optional reagent Fill and Drain system
- 5 405 cassette capacity, Stainless steel processing chamber
- 6 USB port for software upgrade and protocols, reagent history and diagnostic log storage/access
- 7 PWD - Protected Wax Dumping, to safely unload exhausted paraffin
- 8 Dark-tinted glass doors for protection of reagents
- 9 Reagent tanks
- 10 Heavy duty castors
- 11 Active LED system



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Productivity

Donatello Series 2 is the latest generation automated tissue processor for histology specimens. Designed to enhance lab routine and guarantee reliability, safety and best quality results for the user.

Donatello Series 2 optimizes productivity during histological processing, integrating features like:

- Ability to process up to 405 specimens
- Automated reagent management software – significantly reduce usage
- Integrated fast processing

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Tissue Processing Series 2

Safety

SelfCheck

Automatic, preventive and diagnostic check runs prior to processing, so you can correct any problems before they arise.

- Checks mechanical parts
- Warning of potential instrument/hardware failure



Traceability

- Log: Integrated tracking of all operations and processing data (protocols, users), tanks (replacement, batches), tissue processor (warnings and alarms), accessible remotely.
- Using an external reader, store all information present on processed cassettes equipped with 2D barcode. Complete specimen tracking during their loading and unloading from the instrument.



Dynamic Reagent Management

- Software automated reagent management
- Determines when to discard/replace reagents based on processing volume
- Automatically rotates reagent stations
- No manual interaction from technician required for rotation of reagents



Green friendly

- Tissue processor can run complete process without Xylene or alcohol by using Ottix substitutes
- Charcoal filter reduces fume exposure



Technological Improvements



SELF-CHECK

Security auto-diagnostic system to prevent machine failures during processing



RETORT FUMES ASPIRATION

Fan system with integrated charcoal filter to remove harmful vapors from the processing chamber



LED

Reagent positions displayed with LED lights to guide user when changing reagents



INCREASED PRODUCTIVITY

Process up to 405 samples per run



MULTI-USERS ACCESS

Different access levels with different permission maps, all logged



SAFE REAGENT

In the event of a power failure, specimens are automatically stored in the previously specified safe reagent



RFID

Radio frequency identification of reagent tank to avoid mismatching human errors, optional



REMOTE CONTROL

Control of the software by Service Engineers from Diapath headquarter



STATUS REAGENT

System is fully accessible remotely by your service technician and Diapath. Troubleshoot, diagnose and repair potential problems without having a service tech onsite



CWS

Clean Wax System, simple procedure to reduce the contamination level of the waxes



PWD

Protected Wax Dumping, a safer way to unload exhausted paraffin using an internal 5 L empty tank



REVERSE PROTOCOL

Can revert the processing procedure to recover bad processed samples



FILTERING SYSTEM

Activated charcoal filter system, dedicated to formaldehyde and xylene vapors



INTUITIVE SOFTWARE

Smart and user-friendly icon based software, for the quick and easy managing of the instrument, accessible remotely



FPS

Fast Processing System, greatly reduces time for rapid small biopsies processing

Technical features

Instrument	Tissue processor for histological specimens
Dimensions (WxDxH)	700x750x1370 mm
Weight	250 Kg
Reagent tanks	12 tanks, 5 L each
N. of storable processes	No limit
Max time for each step	24 hours and 59 minutes
Max delay	14 days, 23 hours, 59 minutes
Ending time process	Selectable and customizable for each process
Starting station	Selectable by the user
Reagent management system	Complete check on reagents (processing and washing) and charcoal filters
Specific vapours treatment	Specific charcoal filters with forced ventilation even into the processing chamber
Voltage	230V, 50Hz

Processing chamber

Max processing cassettes	405 standard cassettes
Total SPC inner volume	8 L
Equipped racks	3 stainless steel racks with 135 cassettes each
Chamber level sensors	4 optical sensors
Reagent heating temperature	From room temperature up to 65°C
Reagent shaking	Customizable, from 5 to 30 minutes frequency
Vacuum and pressure function	Room, Vacuum, Pressure, Vacuum/Pressure run

Paraffin compartment

Paraffin basins	3 basins, 4 L each
Melting time about	8 hours
Paraffin cleaning function	Actionable by the user
Paraffin heating temperature	From 55° up to 80°C

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