

Advanced, reliable, *innovative.*

Delivering safer tissue processing with consistent results, protecting samples and supporting accurate diagnoses for high-volume labs.



Request more info or a demo.
Scan here.

Protect samples without compromising throughput.

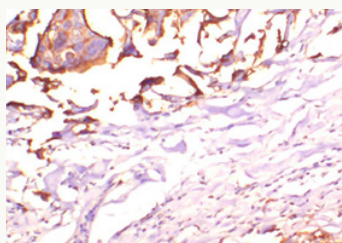
Delivers improved lab efficiency for faster turnaround, higher capacity, and uncompromising reliability for confident diagnoses.

Why Donatello?

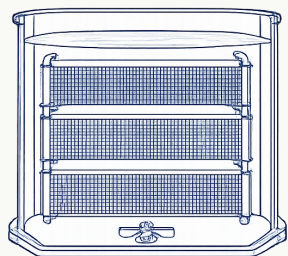
- ✓ Preserves cellular detail for clearer results
- ✓ Increases capacity by up to 40% compared to other processors
- ✓ Supports IHC, ISH, and molecular protocols
- ✓ Protects samples during power loss
- ✓ Speeds biopsy processing
- ✓ Web connection to processor for fast, remote support

OPTIMAL AGITATION FOR PRESERVING ARCHITECTURE AND MOLECULAR INTEGRITY¹

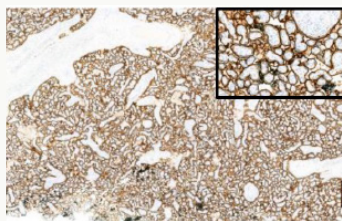
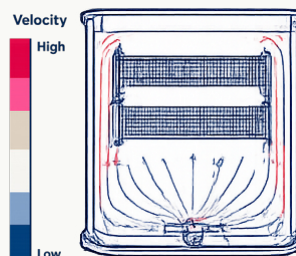
Unlike impeller-based systems that create localized circulation patterns, the Donatello utilizes gentle bubbling agitation to promote uniform mixing. This balanced approach helps reduce reagent gradients, improve tissue infiltration, and protect fragile specimens.



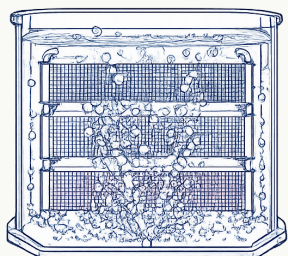
UNDERFIXED TISSUE



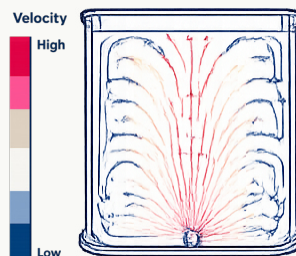
IMPELLER AGITATION SIMULATION



PROPERLY FIXED TISSUE



BUBBLING AGITATION SIMULATION



Innovation for reliability and sample safety.

MAXIMUM PRODUCTIVITY

Processes up to 420 standard, 112 Slim Mega, or 56 Super Mega cassettes per run—delivering up to 40% more capacity than other processors.

SAFE REAGENT

Exclusive to the Donatello, assign a safety reagent to each processing step. If a run cannot be completed, it is automatically pumped into the retort to protect samples.

ABS (ANTI BLOCK SYSTEM)

Reduces susceptibility to contaminants such as tissue fragments, inorganic deposits, dirt, and dye particles. It also minimizes reagent cross-contamination, extending chemical life.

DISCRETE VALVE DESIGN

Unlike rotary valve systems with a single point of failure, the discrete valve design prevents complete system shutdowns.

SELF-CHECK

Automatically assesses critical components before each run to provide system redundancy, prevent overnight interruptions, and protect samples.

E.V.A.⁺ EMERGENCY SMART CHECK

An intelligent algorithm automatically clears mechanical blockages without interrupting processing and finds alternative reagent pathways to complete processes. E.V.A.⁺ also includes voice-guided user interaction.

SENSORED REAGENT LEVELS

Real-time monitoring tracks reagent levels and alerts users when refilling is required to prevent sample drying.

SECURITY SENSOR

Detects accidental reagent tank removal and generates a report with the date, time, and operator details.

REAGENT MIXING

A unique bubbling process maintains uniform reagent consistency throughout processing, protecting tissue quality and integrity.

ID CARD

RFID ID cards make user login easy and intuitive, remembering user preferences and offering traceability.

REMOTE SUPPORT & INTERVENTION

With a standard web connection, our team can quickly troubleshoot and resolve your processor questions remotely.



- 1 TOUCHSCREEN INTERFACE
- 2 SAMPLE PROCESSING CHAMBER
- 3 SPC LOCK SYSTEM
- 4 EXTERNAL DRAIN CONNECTORS
- 5 LED-GUIDED TANK REPLACEMENT
- 6 SECURITY SENSOR
- 7 PARAFFIN CHAMBERS
- 8 USB PORT
- 9 PARAFFIN WASTE TANK



IMPROVED RESULTS

A published comparative study² highlights how tissue processing methods can impact the evaluation of biomarkers critical for identifying patients eligible for immunotherapy. In this study, the Donatello tissue processor was shown to preserve PD-L1 immunohistochemical expression.



VALIDATED BIOMARKER PROTOCOLS

Integrated protocols are validated by Diapath®, a StatLab company, in collaboration with leading hospitals, laboratories, and research institutes. These protocols are routinely used in diagnostics, immunohistochemistry, in-situ hybridization, and molecular biology to identify predictive biomarkers for targeted therapy response.



PROTECTED SAMPLES

Donatello Series 3 features E.V.A.+ (Emergency Smart Check), an advanced safety system designed to protect samples during unattended processing. In the event of a mechanical blockage—especially during critical, unmanned phases like overnight runs—E.V.A.+ automatically detects the issue and initiates the most appropriate corrective action to safely process and preserve the samples without operator intervention.

Specifications

	DONATELLO® SERIES 3
SKU	SDSDT9000
MAXIMUM CASSETTE CAPACITY	420 standard, 112 slim mega, 56 super mega
REAGENT TANKS	12, 5L tanks
PARAFFIN CHAMBER	3 chambers, 4.4-4.7L each
MAXIMUM PROCESSING CHAMBER VOLUME (SPC)	8L
REAGENT MANAGEMENT SYSTEM (RMS)	Complete control of reagents and activated carbon filter
SIZE (W X D X H)	700 x 750 x 1550 mm
WEIGHT	529 lbs (240 kg)
POWER	115-230V ±10%, 50-60Hz
REGULATORY STANDARDS	CE, IVD - Compliance with Regulation 746/17

Optional accessories

BASKET FOR SUPA MEGA CASSETTES	SDSPA9066
CORDLESS SCANNER FOR DONATELLO® SERIES	SDSBR0001
AUTO DIALER 115-230 V	SDSAD0001
SUPPORT FOR PIPES	SDSPA9069
RFID USER ID CARD, 5 PACK	SDXCCE9005
TRAY FOR BASKET	SDSPA9060

1. Tedeschi, G., & Finn, R. (2026). Optimal Agitation for Effective Reagent Exchange in Tissue Processing: Preserving Architecture and Molecular Integrity. StatLab Medical Products.

2. (n.d.). Demonstrating the interference of tissue processing in the evaluation of tissue biomarkers: The case of PD-L1. Science Direct. <https://doi.org/10.1016/j.prp.2023.154605>