

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.

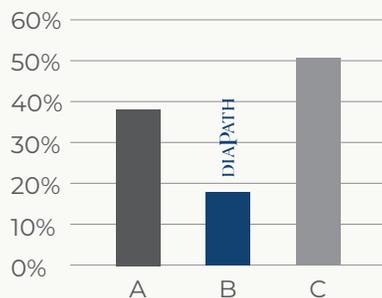
Why Donatello?

- ✓ 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
- ✓ Ensures consistent safety and quality
- ✓ Backed by expert installation, remote support, and Italian craftsmanship

DEMONSTRATING THE INTERFERENCE OF TISSUE PROCESSING IN THE EVALUATION OF TISSUE BIOMARKERS ¹

PRESENCE OF ARTIFACTS IN THE WHOLE SLIDE IMAGES (WSI)

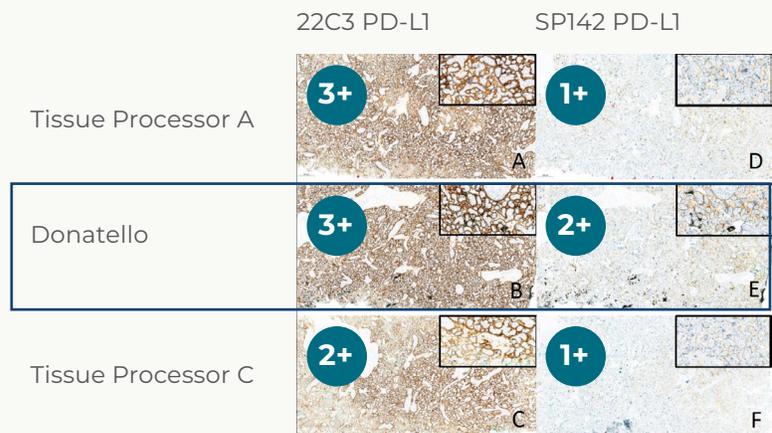
% Whole Slide Images with artifacts



A = Brand 1 - tissue processor

B = Diapath® - Donatello® tissue processor

C = Brand 2 - tissue processor



Advanced innovation.

SELF-CHECK

The self-diagnostic system automatically checks key parts before each run to prevent unexpected stops during overnight processing to keep samples safe.

MAXIMUM PRODUCTIVITY

Donatello processes up to 420 standard, 112 Slim Mega, or 56 Super Mega Cassettes per run—offering up to 40% more capacity than standard processors.



E.V.A.+ EMERGENCY SMART CHECK

The intelligent virtual algorithm automatically resolves mechanical blockages without interrupting processing. E.V.A.+ also features a voice-user interface for seamless spoken interaction.

ABS (ANTI BLOCK SYSTEM)

The ABS system reduces the instrument's susceptibility to impurities—such as organic residues from tissue processing, inorganic substances, and foreign particles like dirt or dye powder. Additionally, ABS minimizes cross-contamination between reagents, extending the shelf life of processing chemicals.

SAFE REAGENT

Donatello Series 3 allows you to assign a custom safety reagent for each processing step. In case of a power failure (with UPS connection), the system automatically loads the Safe Reagent into the chamber to protect samples until staff can respond. Additionally, the Safe Reagent is deployed if emergency recovery attempts by E.V.A.+ are unsuccessful.

FPS - FAST PROCESSING SYSTEM

Ideal for safely and evenly preheating reagents before use in the processing chamber, this technology enables processing of small biopsies (up to 1 mm thick) in under an hour. The FPS activates only when reagent flow is detected, minimizing power consumption.

SENSORED REAGENT LEVELS

Real time fluid dynamics monitoring detects the levels of reagent and alerts the user when refilling is needed to prevent samples from drying out.

SECURITY SENSOR

Able to track accidental removal of reagent tanks via sensor, creating a report with all relevant information including the date, time, and operator.

REAGENT MIXING

Consistent mixing using unique bubbling process keeps reagents uniform from start to finish—no hotspots, no weak spots—protecting tissue quality and integrity every time.

ENERGY MONITORING SYSTEM

Donatello® Series 3 is equipped with real-time monitoring of the instrument's energy consumption, maximizing the energy efficiency of the instrument and increasing overall performance.

RFID TECHNOLOGY

Quick and easy identification of dedicated pre-filled containers. The software and LEDs guide the reagent replacement procedure, preventing any reagent refill errors and enables reagent and lot traceability.

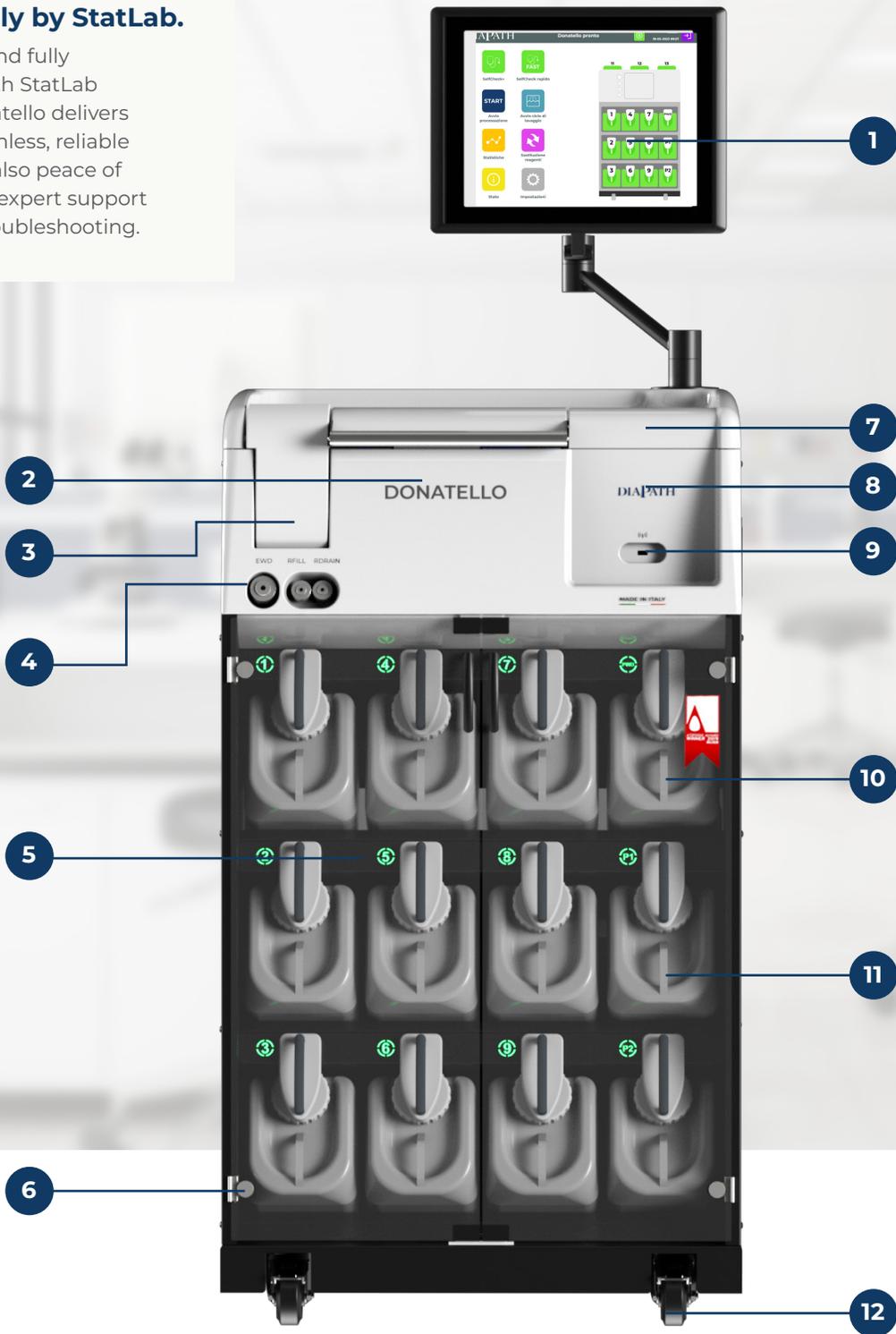
ID CARD

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



Made in Italy by StatLab.

Made in Italy and fully compatible with StatLab reagents, Donatello delivers not only a seamless, reliable workflow, but also peace of mind through expert support and remote troubleshooting.



- 1 INTUITIVE INTERFACE**
A user-friendly interface that clearly displays reagent levels on an easy to use touchscreen.
- 2 SAMPLE PROCESSING CHAMBER (SPC)**
The stainless steel chamber contains four sensors that detect the presence of the reagent and the correct filling level.
- 3 SPC LOCK SYSTEM**
Controlled with a smart software system that detects incorrect process chamber closure and alerts the operator in 4 seconds.
- 4 EXTERNAL DRAIN CONNECTORS**
Allows for external loading and unloading of reagents and paraffin, reducing exposure for techs.
- 5 ACTIVE LED SYSTEM**
Dynamic LED indicator for each reagent station guides the operator during the replacement of the tanks.
- 6 SECURITY SENSOR**
Able to track removal of reagent tanks via sensor.
- 7 3 PARAFFIN CHAMBERS**
Capacity of 4.7 (max) and 4.4 (min) liters each.
- 8 RFID TECHNOLOGY**
RFID chips on each reagent tank prevent reagent mix-ups and track usage through the DAF algorithm.
- 9 USB PORT**
Easily accessible for exporting the protocols contained in the instrument database.
- 10 PWD TANK**
Exhausted paraffin is collected in a dedicated tank for easy disposal.
- 11 12 REAGENT TANKS**
9 dedicated to processing reagents, 2 dedicated to washing reagents, and 1 PWD tank (5 liters each).
- 12 WHEELED FEET**
The Donatello sits on locking castors for easy repositioning.



Remote Assistance Plus

Communicate with StatLab experts. All you need is a web connection.

- Speed in solving problems
- Experienced, expert support



IMPROVED RESULTS

A published comparative study¹ 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 Variable Algorithm), 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 recover and preserve the samples without operator intervention.

Specifications

DONATELLO® SERIES 3

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	SDXCE9005
TRAY FOR BASKET	SDSPA9060

Equipment for every step of the lab workflow.



DONATELLO TISSUE PROCESSOR

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



PISMA RT CASSETTE PRINTERS

Fast and small, high-contrast print, intuitive software, and smart connectivity for better sample labeling and tracking.



DANTE EMBEDDING CENTER

Built to enhance lab workflow by delivering ergonomic comfort and customization that empowers high-volume labs.



GALILEO 2 MICROTOMES

Advanced customization and innovative features meet the demands of busy labs seeking flexibility and accuracy.



PISMA RT SLIDE PRINTERS

The same features as the PiSmart cassette printer, designed to work seamlessly together with slide hopper and accessory options.



SMALL LAB EQUIPMENT

Compact and reliable, our UK-made lab equipment is easy to use, easy to clean, and simple to position with a workflow-friendly design.

1. (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.jp.2023.154605>