

VENTANA® HE 600 system

Transforming H&E quality, workflow and safety



- 01 Barcode sample tracking**
Integration with navify® Pathology Lab Advantage workflow solution and LIS
- 02 Curing oven**
Slides can be read immediately after processing
- 03 Drying oven**
Uses convection, conduction and orientation to dry slides and improve tissue adhesion
- 04 Slide tray and portals**
Easy, continuous specimen loading and unloading
- 05 Staining modules**
Built-in module redundancy provides uninterrupted slide staining
400+ customisable protocols
10 hematoxylin, 10 eosin and 4 acid wash protocols to optimise staining
- 06 Coverslipper**
 - Provides independent functionality
 - Glass coverslips with pre-applied dry mounting media
 - Archiving after 24 hours
- 07 Reagent management system**
Nine reagents with RFID, colour coded containers
 - Xylene free
 - Alcohol free
 - No deionised (DI) water supply
- 08 Waste**
Choice of direct-to-drain or on-board waste capture*

Today, Roche offers the only automated H&E stainer that empowers high levels of staining quality, workflow efficiency, and safety.

Making up the vast majority of an anatomical pathology lab's work, the hematoxylin and eosin (H&E) stain is the cornerstone diagnostic for pathologists.

As demand for testing grows and as laboratory resources become increasingly scarce, standardised H&E staining with automation opens new possibilities for laboratory staff, pathologists and patients alike.



Quality

Improve diagnostic performance with consistent, reproducible stains

- No reagent carryover and limited oxidation compared to linear stainers
- Exceptional stain clarity and consistency with fewer defects
- More than 400 customisable protocols to optimise staining



Workflow

Do more with less by reducing touch points and wait points

- Integrates slide drying, staining, coverslipping and curing into a single system
- Minimal technologist maintenance and comprehensive Roche support
- On-demand STAT capability and simultaneous processing of 2+ protocols



Safety

Protect patients, your technicians and your lab's reputation

- Virtually eliminates tissue cross-contamination with individual slide staining
- Track chain of custody and reduce identification errors with barcode sample tracking
- Reduce lab technician exposure to hazardous chemicals

* Depending on local laws regarding waste disposal, and your location's laboratory Safety, Health and Environmental department policies.

The innovative VENTANA HE 600 system offers groundbreaking benefits that raise the standard for automated H&E staining instruments.

Key features and benefits communicated and appreciated by pathologists and laboratory professionals:

High quality staining

Nuclear details are crisp and clean with minimal artifacts; eosin differentiation is strong and provides clear visualisation of different structures and patterns.

Standardisation

Pathologists receive the same high quality stained slides regardless of the time, day of the week, or order in which they were inserted into the instrument. Consistent and confident interpretation enables a patient's clinical course to be directed toward the best possible outcome.

Patient safety

Individual slide staining virtually eliminates tissue cross-contamination. For patients, safe processing of their sample and reliable identification and tracking helps with accurate diagnosis.

Streamlined lab workflow

One-touch, walk away automation and minimal manual maintenance create efficiency opportunities while reducing process variability and increasing staining consistency.

Improved time-to-results

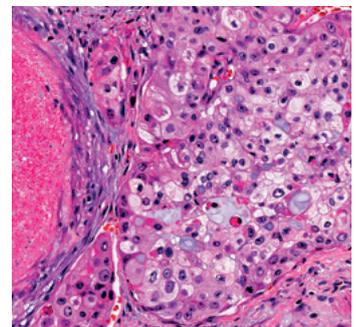
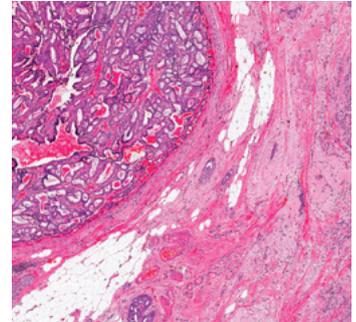
Lean, rapid workflow, and less repeats due to staining consistency can improve time-to-results for faster diagnosis.

Lab technician safety

Ready-to-use reagents and the elimination of xylene and alcohol reduce lab technician exposure to hazardous chemicals.

Digital pathology

Consistent, high staining quality amenable to slide digitisation and future interpretation of results with AI-enabled tools.



Fresh reagents on every slide produces exceptional clarity and improved nuclear detail¹

How much could you gain from streamlining your workflow?



From over **50** steps
To just **13** steps

Automation empowers laboratories to improve safety and quality with minimised process variability and standardised stains for pathologist review.

- **Throughput:** 180-200 slides/hour
- **Time to first result:** 40-45 minutes dependent on protocol
- **Time to additional results:** 6 minutes for every tray after
- **Additional protocols:** Coverslipping for Special Stains and Immunohistochemistry (IHC)



References

¹ Roche Tissue Diagnostics. (2020). Comparative analysis of H&E stain quality between the VENTANA HE 600 system and a traditional linear stainer. Tucson, AZ.