

# BenchMark XT

## *Automated IHC/ISH staining instrument*



Empowers you to expand your test menu, process more slides and improve turnaround times

### Expand your test menu

- Optimize protocols with user-selectable options including extended incubation times and varying temperatures
- Create an optimized environment for the automated preparation of IHC, ISH and FITC slides
- Choose your own primary antibody or a ready-to-use VENTANA antibody

### Process more slides

- Completely automate baking through staining steps for IHC, ISH and FITC slides
- Employ a reagent carousel that holds up to 35 ready-to-use reagent dispensers
- Process up to 30 slides per run, up to 60 slides in six hours, and up to 30 additional slides overnight
- Deploy seven bottles for on-board bulk fluid capacity of up to 90 slides
- Combine one or more BenchMark IHC/ISH systems as needed, and manage up to eight systems with a single computer

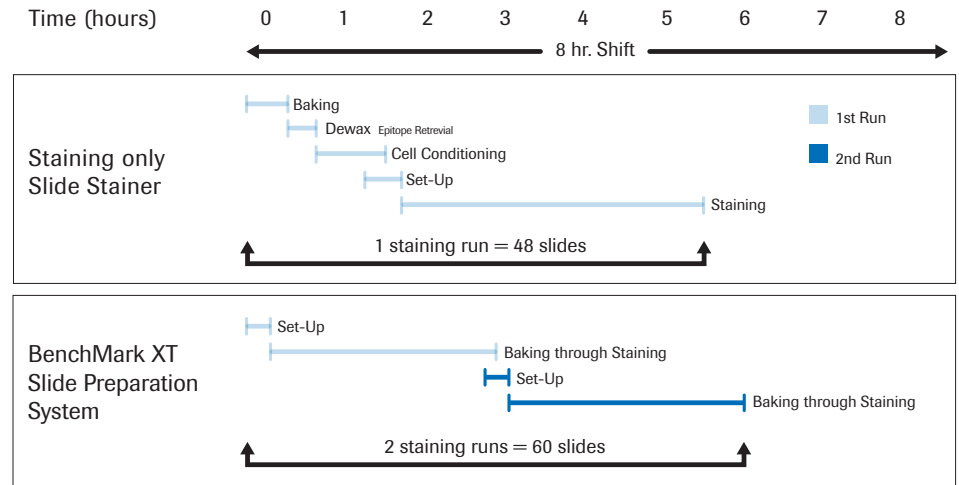
### Improve turnaround times

- Process IHC, ISH and FITC tests simultaneously
- Each slide is individually barcoded to save time and avoid errors
- Eliminate up to 80% of the labor required for manual and semi-automated staining

- Increase laboratory productivity and reduce potential errors
- Download patient accession and test information from LIS to slide staining system
- Upload test status information to LIS while eliminating redundant data entry
- Manage reagents and protocols across multiple instruments to optimize inventory control and workflow

### The power to do more

Compared to a common semi-automated slide system, the VENTANA BenchMark XT fully-automated slide system results in a 25% increase in slides per 8-hour shift and up to 80% decrease in manual steps. A single BenchMark XT platform empowers you to run multiple protocols, multiple technologies, and complete cases – all at the same time.



Measurable results

VENTANA technologies improve quality and consistency of IHC/ISH slides compared to manual or semi-automated systems.

### Liquid coverslip

Creates a reaction chamber on the surface of each slide, controlling evaporation and protecting tissue integrity.

### Air vortex mixing

Blends the aqueous layer under the Liquid Coverslip, mixing reagents and ensuring uniform reagent coverage across the entire surface of the slide.

### Heater pad

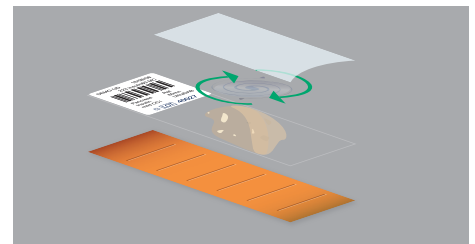
30 separate slide heaters provide highly precise, individual slide heating, enabling IHC slides to be processed alongside ISH, SISH and FITC slides without interference.

### Barcode driven technology

Ensure the right test for the right patient with reagent- and slide-specific barcode labels that fully automate protocol runs, and aid patient and case identification. When integrated with the Laboratory Information System, you can increase laboratory productivity and reduce potential errors by eliminating redundant data entry.



Slide-specific label provides automatic programming, patient and case identification



Layered coverslip, air vortex mixing, slide-specific label, heater pad

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**Empowering | Testing Efficiency**