

BOND-MAX

PREMIUM IHC & ISH STAINING SYSTEM



QUALITY



EFFICIENCY



PERFORMANCE



Advancing Cancer Diagnostics
Improving Lives

Leica
BIO SYSTEMS

PREMIUM RESULTS

Precise automation, Covertile technology and Novocastra reagents combine to create high-quality staining.



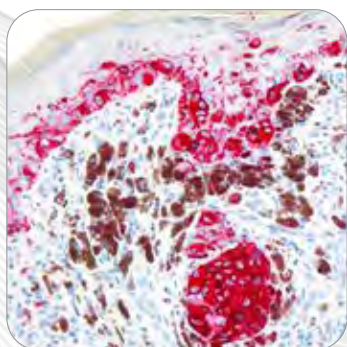
Unique Covertile – Total Tissue Care

The unique BOND Covertile ensures gentle and effective reagent application that protects tissue through the entire staining process.



Validated RTUs – Improve Productivity

With an array of validated RTUs ranging across 14 pathology menus you can quickly, and with diagnostic confidence, create high-quality stains with the efficiency benefits of a plug-and-play workflow.



Premium Detection Chemistry – Premium Results

The only detection chemistry you'll need. With BOND-MAX, every detection kit is a premium product. The BOND Compact Polymer Detection system is available with either DAB or Red chromogens or as an efficient Parallel Double staining DAB/RED kit.



Liquid Level Sensor – Providing Peace of Mind

The BOND Liquid Level Sensor measures reagent volume before each dispense to ensure reagent is dispensed to every slide.

FLEXIBLE, EFFICIENT & CONSISTENTLY FAST

The three-tray system and consistent run times provide the flexibility to accommodate incoming workloads and the predictability you need to plan each day.



LIKE THREE STAINERS IN ONE

Each tray acts as an individual instrument so you can load as slides become available.

NO LANDING ZONES

Space for 29 antibodies (with detection loaded) plus the ability to easily swap antibodies without disrupting running stains.

CONSISTENT 3.5 HR RUN TIMES*

Daily planning made easier with consistent and predictable 3.5 hour run times.

** When referring to IHC staining and running a batch workflow*

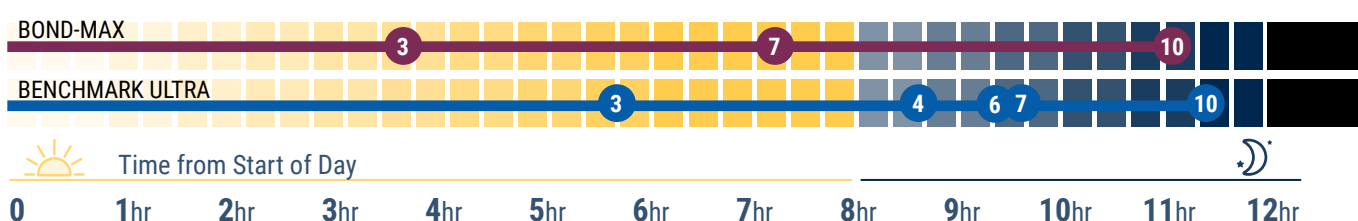
The organized nature of BOND-MAX has helped it outperform a larger system in two common workflow scenarios.

FASTER

BATCH



CONTINUOUS



For information on related studies please see:

18962 Rev B and 190369 Rev A. Comparative Turnaround Time (TAT) studies comparing Hematopathology Panels on the BOND-III and BenchMark ULTRA Instruments

NOVOCASTRA ANTIBODIES

High-performance antibodies that support optimal patient care.

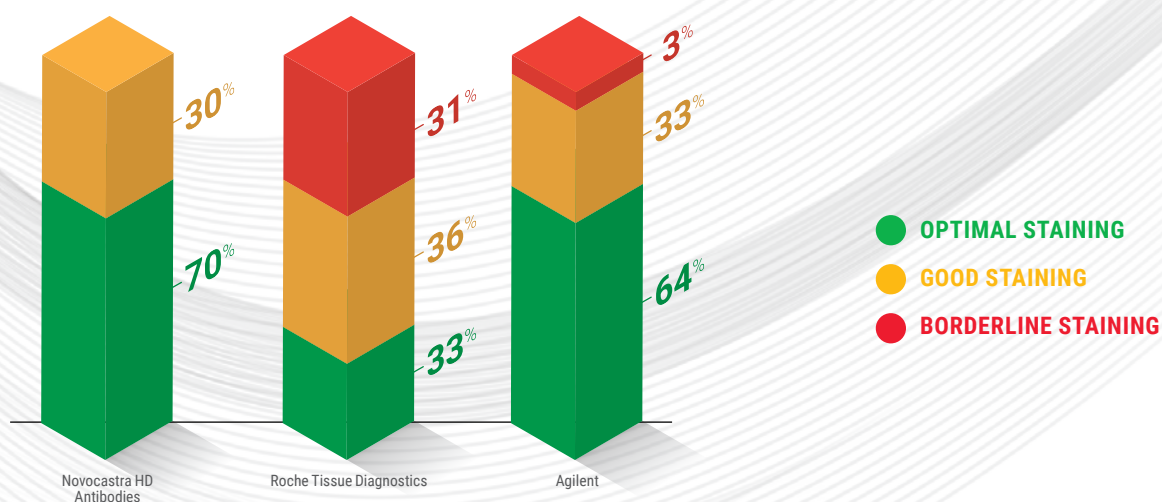


Novocastra HD Antibodies

The Novocastra HD BOND RTU range, utilizing BOND Refine Detection and the BOND-MAX instrument, provides pathologists with an entire solution that consistently delivers optimal staining.

70%

of Novocastra HD antibodies evaluated were classified as optimal staining



Graph shows the % of RTU antibodies per vendor within each staining category as defined by NordiQC.

Based on a comparison of 67 equivalent RTU antibodies from LBS and RTD, and 61 RTU antibodies for Agilent.

Assessment of staining conducted on BOND-III. Products validated for use on BOND-III and BOND-MAX.

Br BREAST PATHOLOGY	De DERMATOPATHOLOGY	Ga GASTROINTESTINAL PATHOLOGY	Gy GYNEPATHOLOGY	HNE HEAD, NECK AND ENDOCRINE PATHOLOGY	He HEMATOPATHOLOGY	IO IMMUNO-ONCOLOGY
Lu LUNG PATHOLOGY	MP MUSCLE PATHOLOGY	Ne NEUROPATHOLOGY	ST SOFT TISSUE PATHOLOGY	Sp SPECIALIZED	TD TUMOR DIFFERENTIATION	Ur UROPATHOLOGY

Comprehensive antibody coverage for 14 key Pathology Menus



Novocastra BOND RTUs eliminate antibody preparation time and variability.



Universal kits mean you only need to stock one kit for each detection type.

- » BOND Polymer Refine (DAB, IHC & ISH)
- » BOND Polymer Refine Red (AP Red, IHC & ISH)
- » Chromoplex (Parallel DAB/AP Red)
- » BOND FISH kit (for FISH applications)

YOU ARE VERY WELL SUPPORTED



MANUFACTURING TEAM

Our world-class manufacturing team ensures each instrument is proven before it reaches your laboratory.



INSTRUMENT & SOFTWARE DEVELOPMENT TEAMS

In-house instrument and software development teams means we continue to evolve the platform to meet your emerging needs.



SCIENTIFIC DEVELOPMENT TEAM

Our scientists have an in-depth BOND knowledge to design, validate and support premium diagnostic products for the BOND system.

FITS ANYWHERE

Bench mountable and a small footprint - BOND-MAX makes great use of valuable laboratory space.



SMALLER
FOOTPRINT*

37%

Needing only 0.59 m²,
you won't need to
re-model your lab



Small Footprint – Big Thinking

Connect up to 30 BOND instruments (in any combination of BOND-MAX or BOND-III) on a single network with the BOND-ADVANCE Network.

* The BOND-MAX has a 37% smaller footprint than the BenchMark ULTRA.

TREADS LIGHTLY



Your reagents go further

Advanced reagent chemistry and Covertile technology mean high-quality staining with 100 μ L and 150 μ L dispense volumes.

Less waste for disposal

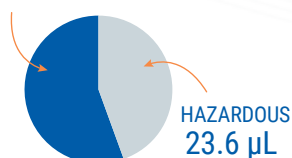
- » Efficient use of reagent translates to very low waste volumes.
- » Spend more time staining, and less time emptying waste.
- » Save on disposal cost, while doing your bit to reduce the environmental impact.

53 mL
OF WASTE
PER SLIDE

Change the waste to match your workflow

With one hazardous waste change per day and one standard waste change per week (when running 60 slides per day in 150 μ L dispense mode).

ONLY
29.3 mL
OF STANDARD
WASTE PER
150 μ L DISPENSE



Waste Generated (mL)

Reagent Dispense Volume	Hazardous	Standard	Total
150 μ L	23.6	29.3	52.9
100 μ L	21.7	28.3	50.0



IMPROVED
QUALITY



INTEGRATED
SOLUTIONS



OPTIMIZED
EFFICIENCY

BOND-MAX SYSTEM SPECIFICATIONS

Dimensions	760 mm (W) x 703 mm (H) x 775 mm (D) 29.9 in (W) x 27.6 in (H) x 30.5 in (D)
Weight (dry)	120 kg (265 lb)
Slide capacity	30 (Finished trays (10 slides) may be replaced continuously)
Reagent container capacity	7 mL and 30 mL
Number of reagent containers	36
Bulk reagent container capacity	1 L or 2 L
Hazardous waste container capacity	2 L
External bulk waste container capacity	9 L
Operating voltage and Mains frequency	90 V to 264 V (for nominal voltage 100 V to 240 V)
Power Consumption	1000 VA
Sound pressure level output (at 1 m)	< 85 dBA maximum < 65 dBA normal operation

VERY WELL CONNECTED

Tightly integrate BOND-MAX into your lab's information systems for a seamless information flow.



A complete solution

Connect up to 30 instruments with BOND-ADVANCE.

CEREBRO
specimen tracking

LIS
Connection

CEREBRO is a modular and scalable solution with full coverage of standard workflow as well as non-standard steps.

Leica Biosystems is a global leader in cancer diagnostics with the most comprehensive portfolio from biopsy to diagnosis. We are committed to delivering Accuracy, Quality and Workflow Efficiencies to help advance diagnostic confidence.