



Leica BOND™

Fully integrated IHC and ISH

The Bond IHC and ISH system integrates complete automation and superior reagents. It is simple to use and the results are consistently brilliant.

- Deliver results earlier
- Process continually
- Run a Lean laboratory
- Start immediately with ready-to-use antibodies
- Reduce repeats
- Automate data flows
- Integrate IHC and ISH with an LIS (optional)
- Maximize antibody efficiency
- Achieve superior staining with Novocastra™ science

Achieve simply brilliant staining with Bond ready-to-use antibodies and Compact Polymer™ detection systems. Specially created using Novocastra science, Bond reagents are optimized and extensively tested on the Bond instrument. This tight integration ensures the Bond system delivers unmatched sensitivity, specificity and consistency.



Simple



Process



Load slides

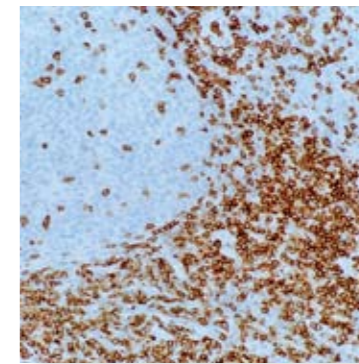


Load reagents

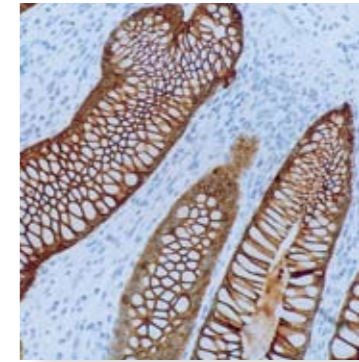


Register reagents

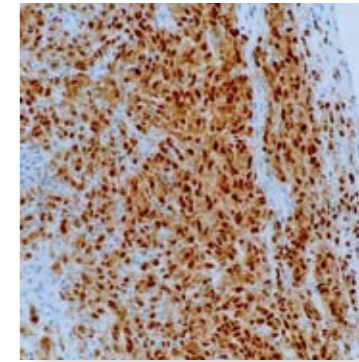
Brilliant



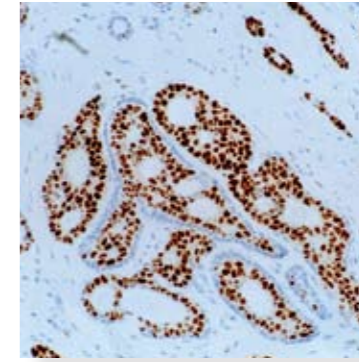
CD5 (4C7)



Cytokeratin 8/18 (5D3)



S-100 (polyclonal)



Progesterone Receptor (16)

Simply Brilliant

BOND™

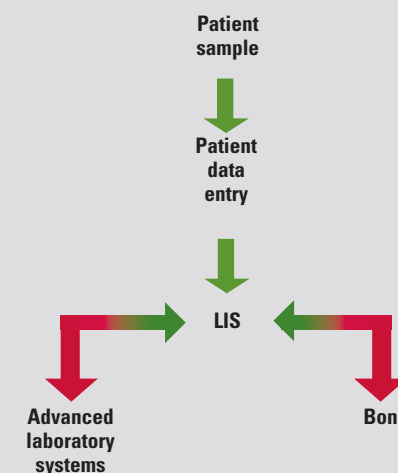
Bond makes brilliant staining simple. Now any laboratory can easily improve their entire staining process from data management to diagnostic clarity and beyond.



Data Management

Complete Confidence

- Easy to use**
 - Minimal training, fewer errors
- Optional LIS integration**
 - Seamless data transfer



Reagent Preparation

So Easy

- Bond ready-to-use range**
 - Optimal antibody preparation
 - Pre-selected protocols
 - Proven Novocastra science
 - "Click and go" (no dilution, titration or mixing)



Harmonized staining

- Our reagents, our instruments

Powerful reagent management

- Track reagent use
- Monitor stock levels

Workflow Scheduling

Lean and Continuous

- One instrument, three independent trays**
 - Continuous processing
 - Capacity for urgent samples
 - Same-day diagnosis



Process Lean, reduce waste

- Reduce or eliminate:
- Staining bottlenecks
 - Waste volumes
 - Repeats
 - Reagent consumption

Reagent Application

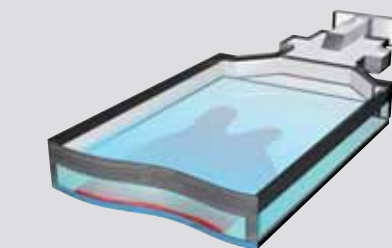
Total Tissue Care

- Covertile™ technology**
 - Gentle reagent application
 - Controlled staining environment
 - Flow-assisted reagent change



Ideal staining conditions

- No tissue lift
- No dryout
- Temperature stability
- Low reagent and waste volumes
- Uniform reagent coverage



and beyond...

New Possibilities

Same-day diagnosis

- Better patient care
- Reduced inpatient time

Lean workflow

- Improve asset utilization
- Free histotechnologists for high-skill work

Ongoing support

- Instrument service
- Reagent knowledge
- Applications expertise
- Bond platform continues to evolve



Diagnostic Clarity

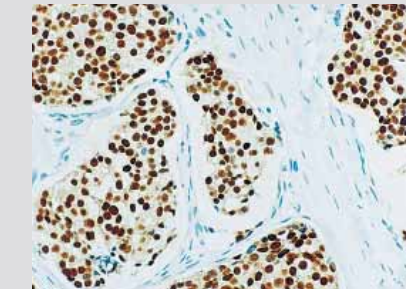
Consistent Quality

Consistency

- Confident data management
- Superior reagents
- Complete automation
- Covertile technology

Quality

- Reagents and instruments working in harmony
- Unmatched tissue care
- Advanced detection technology



Staining

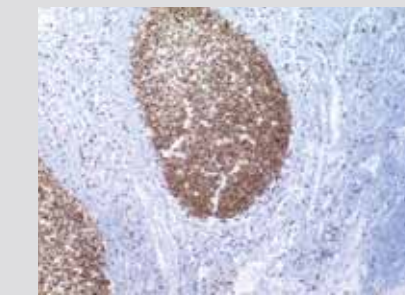
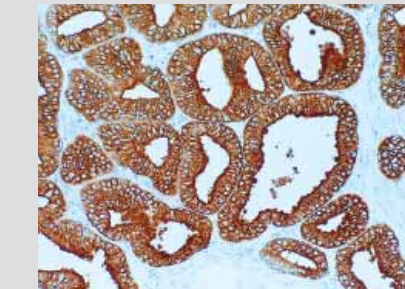
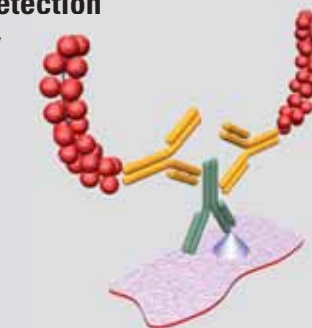
Simple, Brilliant

Complete automation

- Baking/dewax to counterstain
- Press play and walk away
- Consistent quality
- Zero hands-on time during runs

Compact Polymer™ detection

- Exceptional sensitivity
- Biotin-free
- Excellent specificity
- High definition



System Specifications

Processing module dimensions (h × w × d)	703 mm × 760 mm × 775 mm 27.68 in × 29.92 in × 30.51 in	Dispense volume	100 µL or 150 µL
Weight (dry)	120 kg 264.6 lb	Modularity	5 processing modules per controlling PC
Processing temperature	ambient to 100 °C	Waste disposal	separation of hazardous and non-hazardous waste
Slide capacity	3 independent trays, of 10 slides 30 slide total capacity	System mounting	bench mounted or free standing
Reagent container capacity	7 mL or 30 mL	Database	full tracking and reporting of all slides
Number of reagent containers	36 (4 trays of 9)	Laboratory information system (LIS) integration	optional upgrade package compatible with ASTM and HL7

Leica Microsystems' mission is to be the world's first-choice provider of innovative solutions to our customers' needs for vision, measurement and analysis of micro-structures.

Leica, the leading brand for microscopes and scientific instruments, developed from five brand names, all with a long tradition: Wild, Leitz, Reichert, Jung and Cambridge Instruments. Yet Leica symbolizes innovation as well as tradition.

Leica Microsystems - an international company with a strong network of customer services

The Bond system is available through the following offices:

Asia/Pacific

Sales orders/Customer support Aus 1800 246 797

Sales orders/Customer support NZ 0800 400 589

Europe/Middle East/Africa

Sales orders/Customer support UK 0800 298 2344

Sales orders/Customer support ROI 1800 242 612

Sales orders/Customer support EU +44 191 215 4242

North America

Sales orders/Customer support USA 800 248 0123

Sales orders/Customer support Canada 800 205 3422

Leica Microsystems operates internationally in four divisions, where we rank with the market leaders.

• Life Science Research Division

Leica Microsystems' Life Science Research Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems' customers at the leading edge of science.

• Industry Division

The Leica Microsystems Industry Division's focus is to support customers' pursuit of the highest quality end result by providing the best and most innovative imaging systems for their needs to see, measure and analyze the microstructures in routine and research industrial applications, in materials science and quality control, in forensic science investigations, and educational applications.

• Biosystems Division

The Biosystems Division of Leica Microsystems brings histopathology labs and researchers the highest-quality, most comprehensive product range. From patient to pathologist, the range includes the ideal product for each histology step and high-productivity workflow solutions for the entire lab. With complete histology systems featuring innovative automation and Novocastra™ reagents, the Biosystems Division creates better patient care through rapid turnaround, diagnostic confidence and close customer collaboration.

• Surgical Division

The Leica Microsystems Surgical Division's focus is to partner with and support micro-surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.