Advancing Cancer Diagnostics Improving Lives





BOND RX FULLY AUTOMATED IHC AND ISH AND EMERGING TESTS

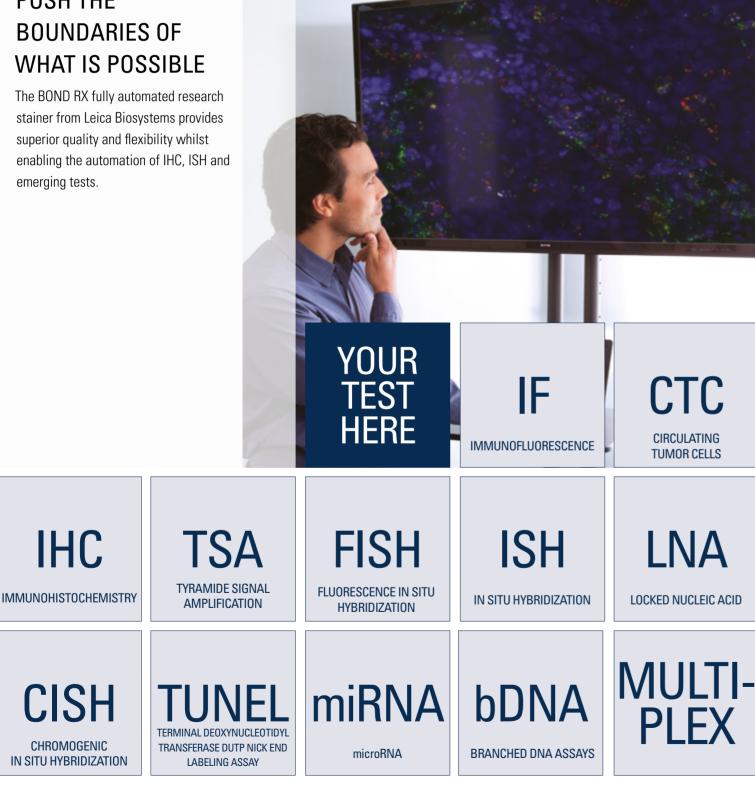
RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

THE FREEDOM TO DISCOVER

EXPLORE YOUR IDEAS

PUSH THE BOUNDARIES OF WHAT IS POSSIBLE

The BOND RX fully automated research stainer from Leica Biosystems provides superior quality and flexibility whilst enabling the automation of IHC, ISH and emerging tests.



ENDLESS CUSTOMIZATION OPTIONS

The BOND RX platform provides researchers with the ability to design their ideal protocol. With customization options across all protocol editing segments, the BOND RX enables greater flexibility when optimizing conditions for a variety of test types.

Show wash steps

(1) PRE-STAINING PREPARATION CUSTOMIZATION

» Customize your dewax options

(2) PRE-STAINING CUSTOMIZATION

- » Probe application/ removal
- » Change Incubation time and temperature

STAINING CUSTOMIZATION (3)

- » Use your preferred markers
- » Create your own detection systems
- » Select your dispense type
- » Change incubation time and temperature

PRE-STAINING (ANTIGEN RETRIEVAL) CUSTOMIZATION

	BOND FOR	EOND FX: EOND FX					Import protocol Protocol type: ISH detection		
	Preforred detection system	Eand Polymer Refine Detection		-				Ş	
	Step N" Wash	Reagent	Supplier	Anbiert	Temperature	les. (min)	Dispense type		
	1	*Pereoide Block	Leica Microsystems	~		5.00	Open		
)	5	"Open 1	User		50	7:30	Open 💌		
	6	"Arti-Fluoroscein Antibody	Leica Microsystems		55	15:00	Selected vol.		
	10	*Post Primary	Leica Microsystems	1		8.00	Open Intermediate		
	14	*Polymer	Leica Microsystems	-		8.00	160 µL		
	18	*Mixed DAB Refine	Leica Microsystems	~		0.00	150 µL		
	19	*Mixed DAB Refine	Leica Microsystems	~		10:00	150 pl.		
	23	'Hematocylin	Leica Microsystems	~		5.00	150 µL		



PRE-STAINING PREPARATION CUSTOMIZATION

	DNA Darika Cartal Data
Marker:	DNA Positive Control Probe
Protocols	
Staining:	RX Customized ISH
Preparation:	RX Extended Dewax
HIER:	*HIER 5 min with ER1
Enzyme:	*Enzyme 1 for 15 min
Probe Application:	*DEFAULT*
Denaturation:	· · · · · · · · · · · · · · · · · · ·
Hybridization:	*ISH Hybridization (2Hr)
Probe Removal:	"DEFAULT"
	"DEFAULT"
	*
	"ISH Probe Removal 1
Add slide	*ISH Probe Removal LH

Preferred

Save Carcel

THE FREEDOM TO DISCOVER

ACCELERATE YOUR TEST PROGRAM

SPEED

MORE OPPORTUNITIES GET TO YOUR END POINT FASTER

The BOND RX's efficient and organized three tray system coupled with simultaneous, optimized, protocol step processing, allows the consistent delivery of 30 slides (IHC) in 2.5 hours.

CONSISTENCY

PROTECT WHAT'S MOST IMPORTANT For researchers, retaining tissue integrity

and morphology is crucial. BOND's unique Covertile system provides total tissue care – consistently.

GENTLE REAGENT APPLICATION

Excellent tissue retention and morphological preservation.



COMMERCIALIZE YOUR DISCOVERY

A CLEAR PATH FROM RESEARCH TO CLINICAL

BOND RX is an open system which provides labs with the flexibility to create customized protocols and streamline the transition from research to clinical.

DEVELOP RUO KITS FOR BOND RX

Work with us on BOND RX reagent kits and pre-installed protocols

COMMERCIALIZE YOUR DISCOVERY

With BOND's shared core technology, there is a pathway for your discovery, whatever your goal - research or clinical.

EFFICIENCY

REDUCING THE BARRIERS TO YOUR DISCOVERY



FLEXIBLE TEST MANAGEMENT Antibodies, probes and detection systems can be accessed at any time.



RELIEVING THE STRAIN

- » Minimal maintenance
- » Fill bulk reagents during runs
- » Low waste volumes



YOUR NEXT STEP ILLUMINATED

Ascertain bulk reagent levels and status changes at a glance with BOND RX's unique active lighting system.

» Fill bottles anytime.

DEVELOP BOND KITS

Join companies like ACD who have successfully commercialized tests that integrate with the BOND system.

- » Tap into the large BOND install base
- » Run your assay effectively and efficiently
- » Have your protocols included as part of the BOND standard offering – drive customer adoption through easy access

THE IDEAL BALANCE

Get to your end point faster with the right balance of flexibility and consistency.

FREEDOM AND FLEXIBILITY

CONSISTENT RESULTS

- » Open detection/reagents
- » Custom protocols
- » Standard bulk reagents
- » Run-to-run consistency



THE FREEDOM TO DISCOVER

ACCESS TO NEW TESTS FROM A RANGE OF PARTNERS

Leica Biosystems joins forces with a range of Open Innovation (OI) partners to provide you with flexible solutions for your research: from DNA to RNA to protein to CTCs, our aim is to give you the broadest breadth of test options, and research targets, possible. All protocols and protocol templates developed in conjunction with our OI partners is made available to all, so that you can access the latest advances in research in the shortest time possible.

ACD

FULLY INTEGRATED RNA ISH SOLUTION WITH WORLD-CLASS SUPPORT

With walkaway, high-throughput staining, researchers can now complete 30 slides in a single 11-hour run for single plex and 14-hour run for duplex

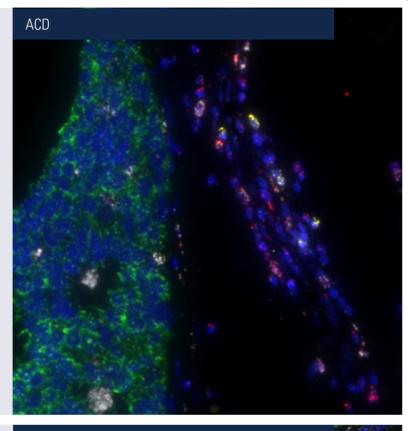
- » Highly specific Signal amplification using double z probe strategy coupled with simultaneous background suppression strategy ensures target-specific binding
- » Sensitive & Quantitative Single RNA molecule detection at single cell resolution
- » Morphological Context Cell specific expression in information intact tissue architecture
- » Universal For virtually any gene, any species, any tissue

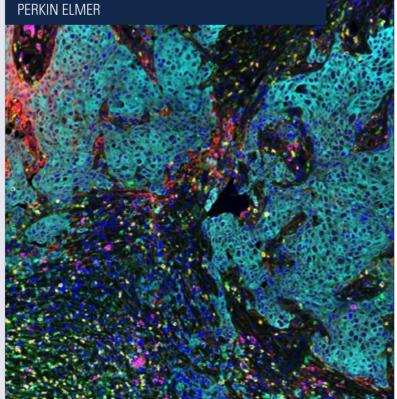
PERKIN ELMER

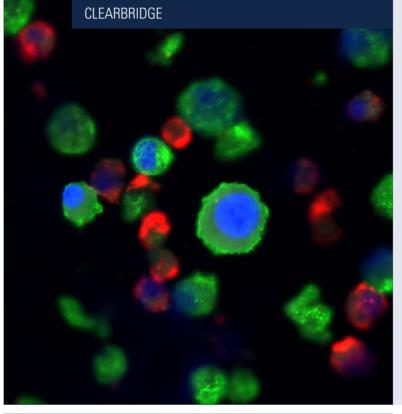
MAKE "WALK-AWAY" MULTIPLEX STAINING A REALITY

Produce up to 30 beautiful, seven-color immunofluorescence slides in about 14 hours without

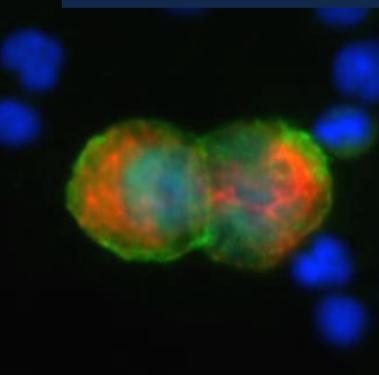
- intervention.
- » Simultaneously visualize up to six tissue biomarkers plus a nuclear counterstain
- » Use the best primary antibodies, regardless of species with no crosstalk
- » Editable protocol is easily optimized to meet your specific needs







RARECYTE



CLEARBRIDGE

FURTHER YOUR STUDY OF METASTASIS AND RESIDUAL CANCERS

The Clearbridge CTC Enrichment Analysis combined with the BOND RX platform, provides researchers with a solution to identify early, metastatic or residual cancers through the staining of enriched CTC cells from blood, rather than the physical tumor.

- » Label-free CTC enrichment of heterogeneous populations of cancer cells
- » Up to 10,000x enrichment of CTCs that are wholly intact viable and assay ready
- » Large blood volume enrichment from 7.5 mL of a patient's blood

RARECYTE

BRINGING CTC ANALYSIS TO THE EXPERIMENTAL PATHOLOGY LAB

The AccuCyte-Cytefinder system integrates with the fully automated BOND RX research stainer for microscopic visualization of circulating tumor cells (CTCs). The system specializes in single cell retrieval of target cells for downstream genomic analysis.

- » AccuCyte comprehensively collects nucleated cells including CTC's from whole blood.
- » CyteSealer creates a barrier between the buffycoat and red blood cells – making collection seamless.
- » The CyteSpreader tool ensures the precise amount of nucleated cells is spread onto a slide every time.

LeicaBiosystems.com





RESEARCH-FOCUSED SOFTWARE

The BOND RX User Interface has a workflow and terminology tailored for research.

The research-focused software is easy to learn, new assays are quick to set up and the incredibly flexible software makes for straight-forward assay optimization and customization.

SYSTEM SPECIFICATIONS

Dimensions	790 mm (W) x 1378 mm (H) x 806 mm (D) 31.10 in (W) x 54.25 in (H) x 31.73 in (D)				
Weight (dry)	238 kg 525 lbs				
Slide capacity	30 slides Finished trays (10 slides) may be replaced continuously				
Reagent container capacity	Titration, 7 mL and 30 mL				
Number of reagent containers	36 reagents				
Bulk reagent container capacity	2 L or 5 L				
Hazardous waste container capacity	5 L				
Standard waste container capacity	2 x 5 L				



LEICA BIOSYSTEMS

Leica Biosystems (LeicaBiosystems.com) is a global leader in workflow solutions and automation, integrating each step in the workflow. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries and is headquartered in Nussloch, Germany.

Leica Biosystems – an international company with a strong network of worldwide customer services.

For detailed contact information on your nearest sales office or distributor please visit our website: LeicaBiosystems.com

RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

Copyright © 2018 by Leica Biosystems Melbourne Pty Ltd, Melbourne, Australia. All rights reserved. LEICA and the Leica Logo are registered trademarks of Leica Microsystems IR GmbH. BOND is a registered trademark of Leica Biosystems and its affiliates. 18166 Rev A · 05/2018 RNAscope® is a registered trademark of Advanced Cell Diagnostics, Inc. in the United States or other countries. RareCyte is a registered trademark of RareCyte Inc. All rights reserved.

Please see affymetrix.com/trademarks for a complete list of Affymetrix trademarks.

PerkinElmer® is a registered trademark of PerkinElmer, Inc. All rights reserved.

Clearbridge and ClearCell® FX is a registered trademark of Clearbridge BioMedics PTE LTD. All rights reserved