

A D V A N C E D S T A I N I N G S O L U T I O N S

AUTOMATED HCR™

ASSAYS ON THE BOND RX AND BOND RX^m
RESEARCH STAINING INSTRUMENTS

A NEW ERA FOR FULLY INTEGRATED RNA-ISH AND MULTIPLEX IF WORKFLOWS

HCR™ PRO RNA-ISH

HCR™ GOLD IF

AUTOMATED ON THE BOND RX and BOND RX^m
RESEARCH STAINING PLATFORMS



Advancing Cancer Diagnostics
Improving Lives



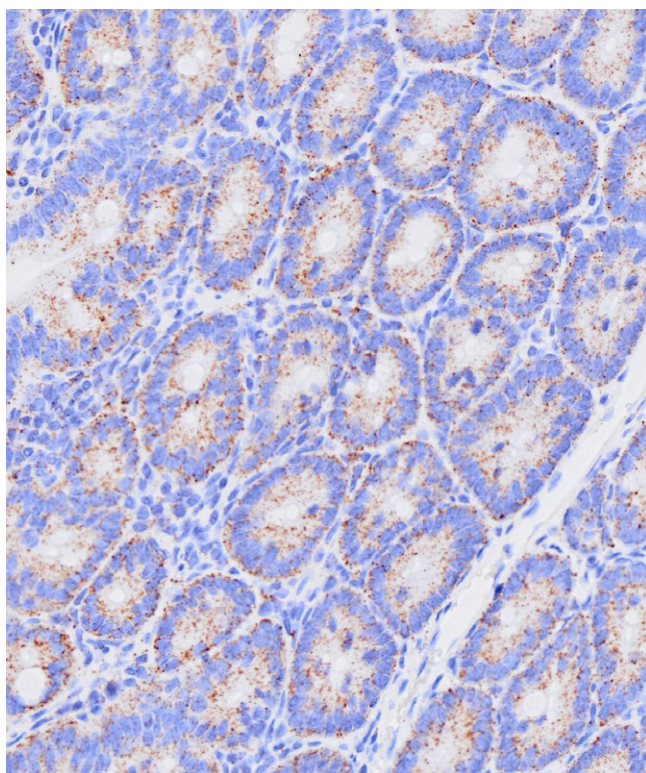
HCR™ PRO RNA-ISH

Protease-free RNA-ISH for robust transcript detection in tissue workflows

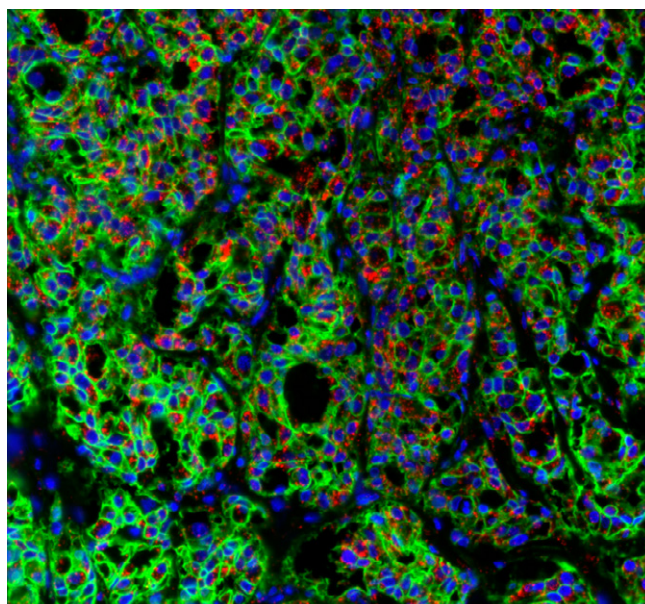
CHROMOGENIC

FLUORESCENT

**AUTOMATED ON THE BOND RX and BOND RX™
RESEARCH STAINING PLATFORMS**



Ppib on mouse duodenum FFPE tissue



Ppib, *HCR Membrane Stain*, and *DAPI* on human breast cancer FFPE tissue

ONE ASSAY, TWO IMAGING MODALITIES

HCR™ Pro RNA-ISH supports both chromogenic and fluorescent imaging, giving labs flexibility in how spatial RNA results are visualized and analyzed.

ONE PROTOCOL, ANY RNA

HCR™ Pro RNA-ISH is compatible with a diverse array of targets, including mRNAs, lncRNAs, microRNAs, splice junctions, splice variants, and other challenging target types on the BOND RX and BOND RX™ research staining platforms.

PLUG-AND-PLAY WITH IHC AND IF*

HCR™ Pro RNA-ISH is engineered to perform without the harsh enzyme digestion steps required by all other RNA-ISH methods, enabling native compatibility with IHC/IF workflows on the BOND RX and BOND RX™ research staining platforms.

THOUGHTFULLY ENGINEERED

Complete HCR™ Pro RNA-ISH staining in a single workday due to its highly optimized performance on the BOND RX and BOND RX™ research staining platforms, and image any RNA with no-fee custom probe design through MI's user-friendly assay designer.

*HCR™ Pro RNA-ISH AP and HRP protocols are validated on the BOND RX and BOND RX™ research staining instruments.
Co-detection with IHC and IF requires protocol modifications by the user described in the HCR™ Pro RNA-ISH Setup Guide.
For Research Use Only. Not for Use in Diagnostic Procedures.

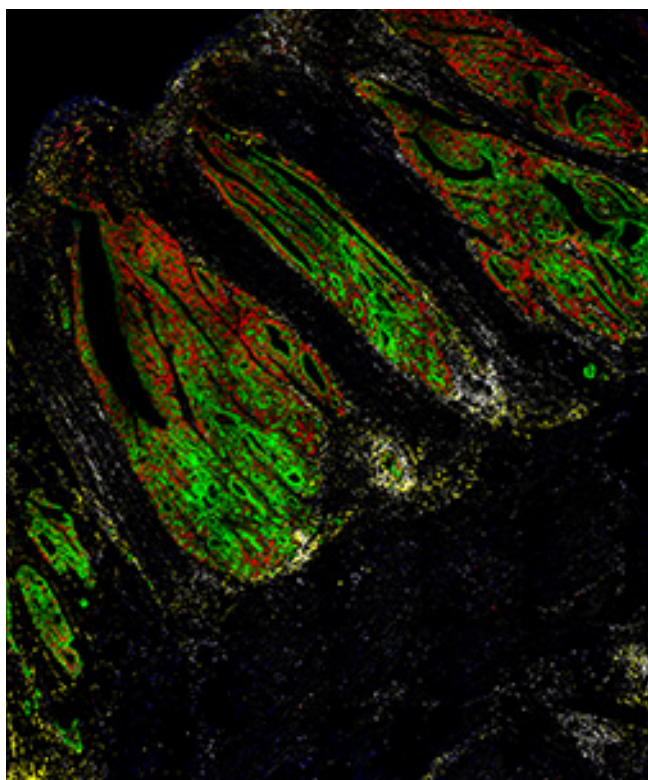
HCR™ GOLD IF

Multiplex protein detection with same-species primaries, no stripping required

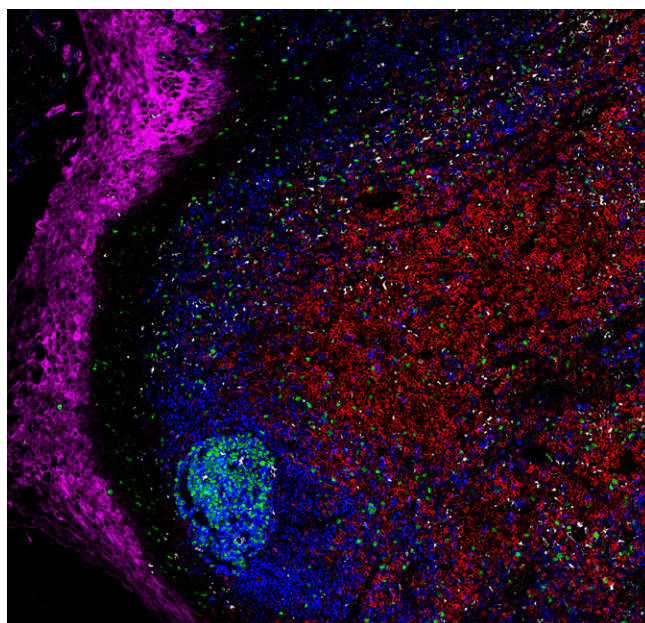
MULTIPLEX IF

SAME-SPECIES PRIMARIES

**AUTOMATED ON THE BOND RX
RESEARCH STAINING PLATFORM**



PanCK, CD68, Ki67, CD3, on human colorectal cancer FFPE tissue



PanCK, CD3, CD68, Ki67, and CD20 on human tonsil FFPE tissue

FLEXIBLE MULTIPLEXING, FAMILIAR WORKFLOWS

HCR™ Gold IF is built for researchers who want technically flexible protein multiplexing while keeping existing antibody validation and automation workflows intact.

PARALLEL AMPLIFICATION OF SAME-SPECIES PRIMARIES, NO STRIPPING REQUIRED

Gold IF enables multiplex protein detection, even when primaries are from the same host species, as each antibody can be independently encoded and then simultaneously amplified in parallel in a single run.

UNIVERSAL COMPATIBILITY WITH UNMODIFIED PRIMARIES

No antibody conjugation or custom labeling required. Use standard, off-the-shelf primaries while keeping existing antibody portfolios and validation work intact.

FAST, SIMPLE ENCODING

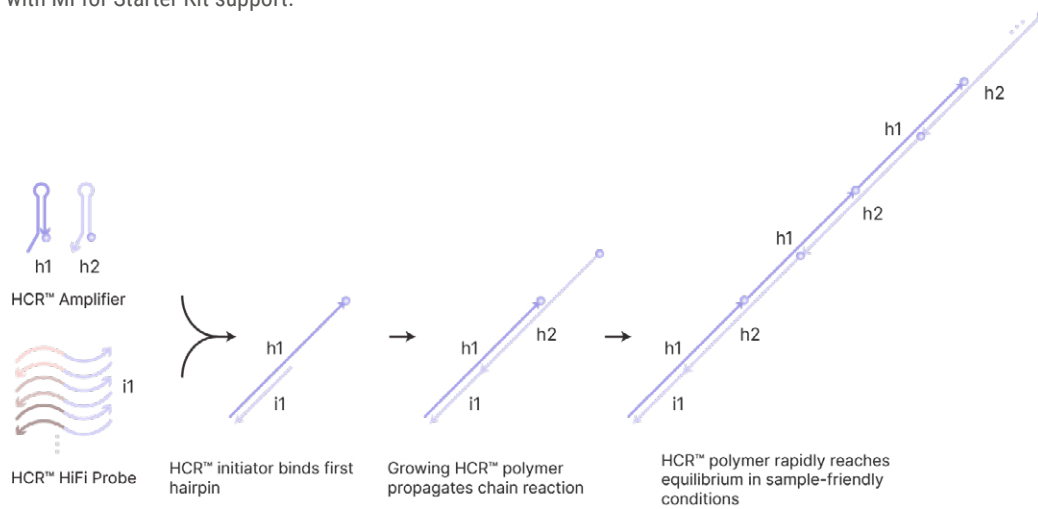
Encoding is completed in minutes at room temperature, making it easy to incorporate into automated workflows without adding meaningful hands-on time.

Designed to preserve established antibody workflows while expanding multiplex protein detection possibilities on the BOND RX research staining platform.

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GET STARTED WITH THE HCR™ PLATFORM ON THE BOND RX AND BOND RX™ RESEARCH STAINING INSTRUMENTS

Access setup materials for HCR™ assays on the BOND RX and BOND RX™ research staining instruments, explore the workflow overview, and connect with MI for Starter Kit support.



PRO RNA-ISH SETUP GUIDE

Access the current setup guide for HCR™ Pro RNA-ISH on the BOND RX and BOND RX™ research staining instruments.



SETUP GUIDE

GOLD IF SETUP GUIDE

Access the current setup guide for HCR™ Gold IF on the BOND RX research staining instrument.



SETUP GUIDE

FREE STARTER KITS ARE AVAILABLE

Contact Molecular Instruments to discuss assay fit, request a complimentary Starter Kit, or plan your first automated run on the BOND RX and BOND RX™ research staining instruments.

INFO@MOLECULARINSTRUMENTS.COM



At MI, we're powering the future of bioimaging through the development of clinical-grade molecular detection technologies. Molecular Instruments offers automated and manual chromogenic and fluorescent in situ hybridization (ISH) assays that integrate seamlessly with our game-changing multiplex immunofluorescence (IF) workflow, powered by the HCR HiFi Encoder. From academic research to drug development and diagnostics, MI is setting the standard for RNA and protein detection, supporting a wide range of applications for thousands of users worldwide.

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Leica Biosystems is a global leader in workflow solutions and automation. 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. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit LeicaBiosystems.com for more information.