

A D V A N C E D S T A I N I N G

# A FULLY AUTOMATED RNA ISH SOLUTION

ACD RNASCOPE DETECTION | BOND-III | BOND-PRIME



Advancing Cancer Diagnostics  
Improving Lives

**Leica**  
BIOSYSTEMS

VISUALIZATION SPECIFIC RNA ISH EASE OF USE  
AUTOMATION SIGNAL AMPLIFICATION  
REPRODUCIBLE CONSISTENCY CISH SOLUTION  
HIGHLY SENSITIVE REDUCED BACKGROUND

Fully Automated BOND-III and BOND-PRIME RNAscope Detection offers an **RNA CISH** walk-away solution with an **optimized protocol** and **seamless incorporation** into your current workflow.



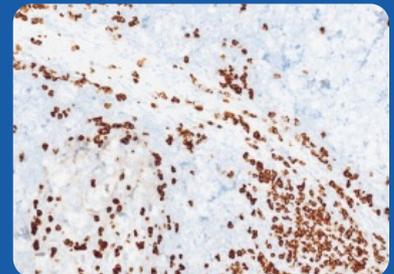
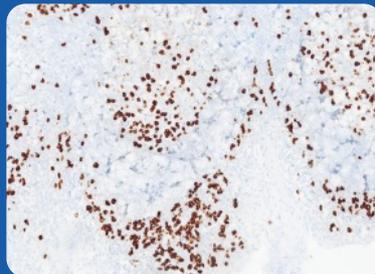
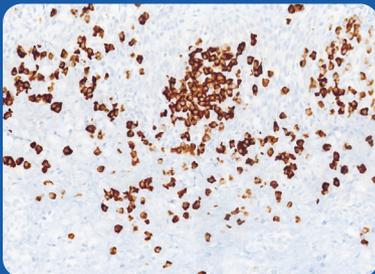
AMPLIFY  
signal



VISUALIZE  
with morphology



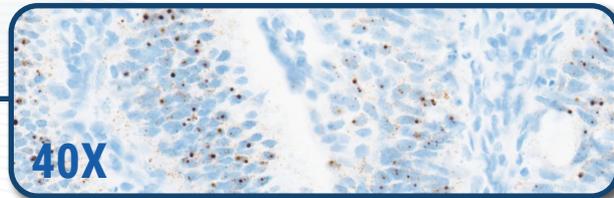
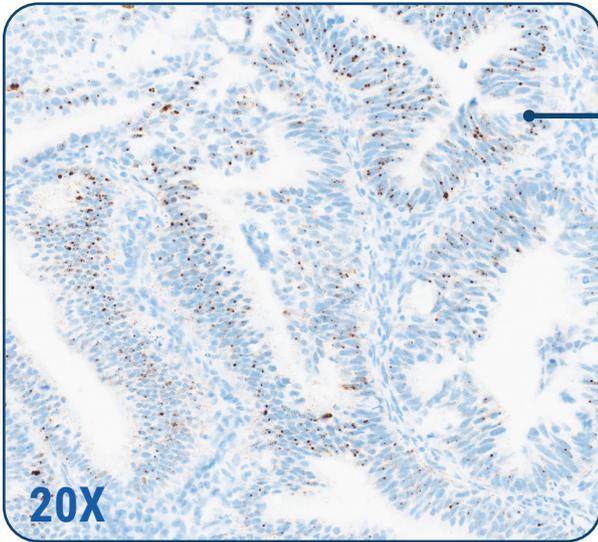
## SEE THE BENEFITS FOR YOURSELF



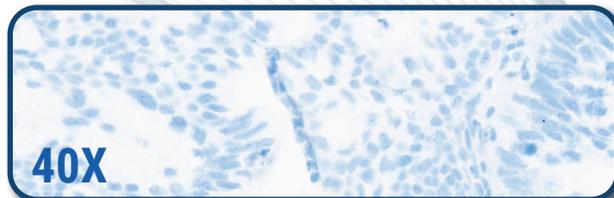
Illustrating stained images using RNAscope Detection on BOND-PRIME

# A FULLY AUTOMATED RNA ISH SOLUTION

Leica Biosystems and ACD partnered to provide a fully automated RNA ISH walk-away solution for the BOND-III and BOND-PRIME IHC and ISH stainers.



\*Cervical Squamous Cell Carcinoma  
\*\*Image does not imply diagnostic application



"Cervical Squamous Cell Carcinoma" with dapB neg control probe

## When Clarity Matters

In the dynamic world of molecular in situ hybridization testing, the demand for reliable and clear results remains a critical component of piecing together the patient puzzle.

Illustrating stained images using RNAscope Detection on BOND-III

## RNAscope Automation – The Benefits are Clear

### SENSITIVITY



The highly sensitive detection of RNA allows for the visualization of gene expression with **high specificity**, even for low-abundance targets within cells and tissues.

### SIGNAL AMPLIFICATION



RNAscope detection technology amplifies target-specific signals and minimizes non-specific binding, resulting in **reduced background noise**.

### REPRODUCIBILITY



**Automation** on the clinical BOND instrument ensures reduced process variation and uniform staining **consistency** with an RNA CISH walk-away **solution**.

## ACD RNASCOPE DETECTION | BOND-III | BOND-PRIME

### BOND-III

Catalog Number	Product Name and Description	Quantity
<b>DS9790</b>	<b>BOND RNAscope Detection Reagents - Brown*</b>	<b>1 kit (60 tests)</b>
<b>AR9773</b>	<b>BOND RNAscope Protease – for pretreatment of slides</b>	<b>1 kit (60 tests)</b>
AR9590	BOND Wash Solution (10x concentrate)	1 L
AR9961 & AR9640	BOND Epitope Retrieval Solution 1 and 2	1 L (RTU) each
CS9100	BOND Aspirating Probe Cleaning System	1 system, 15 cleans
AR9222	BOND Dewax Solution	1 L (RTU) each

### BOND-PRIME

Catalog Number	Product Name and Description	Quantity
<b>DS9202-U</b>	<b>BOND-PRIME RNAscope Detection Reagents - Brown *</b>	<b>1 kit (60 tests)</b>
<b>AR0096</b>	<b>BOND-PRIME Hematoxylin</b>	<b>1 each (200 tests)</b>
AR0086 & AR0087	BOND-PRIME Epitope Retrieval Solution 1 and 2	1 L (RTU) each
AR0085	BOND-PRIME WASH Solution Concentrate	1 L (RTU) each
AR0084	BOND-PRIME Dewax Solution	1 L (RTU) each

### BOND Miscellaneous Product numbers

Catalog Number	Product Name and Description	Quantity
OPT9049	BOND Titration Kit	10 containers, 50 inserts
OP79193	BOND Open Containers (7 mL)	10 pack
OP309700	BOND Open Containers (30 mL)	10 pack
S21.4611	BOND Universal Covertiles	160 pack
S21.1971	Mixing Stations	5 pack



#### \*INTENDED USE

This reagent is a General Purpose Reagent. For Laboratory Use. The BOND RNAscope® Detection Reagents – BROWN enables the user to perform chromogenic in situ hybridization (CISH) on the automated BOND-III system. It is intended for use with nucleic acid probes on formalin-fixed, paraffin-embedded (FFPE) tissue.

#### REFERENCES

Wang F et al JMD paper. [Wang, F., Flanagan, J., Su, N., Wang, L., Bui, S., Nielson, A., Wu, X., Vo, H.-T., Ma, X.-J. & Luo, Y. RNAscope: A Novel in Situ RNA Analysis Platform for Formalin-Fixed, Paraffin-Embedded Tissues. The Journal of Molecular Diagnostics 14, 22–29 (2012)].

**ACD, a Bio-Techne brand**, is committed to delivering solutions for pathologists with its RNAscope™ in situ hybridization technology. RNAscope provides unparalleled sensitivity and specificity for the detection of a variety of clinically relevant markers, including HPV and is automated on the Leica BOND for ease of use and seamless integration into anatomic pathology workflows. ACD offers >50,000 RUO probes and manufactures a selection of ASR probes for clinically relevant targets, supported by over 10,000 peer-reviewed publications.

#### DISCLAIMER

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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](http://LeicaBiosystems.com) for more information.