RNAscope® ANATOMIC PATHOLOGY PANELS

a bio-techne brand

FROM OUR WIDE PORTFOLIO OF READY-TO-USE PROBES, ACD provides a broad menu of high-quality RNAscope probes for your RNA ISH needs in Anatomic Pathology. We have categorized the key RNAscope probes into nine Anatomic Pathology panels, based upon the most common tumor, tissue, and infectious disease types. Each panel includes RNAscope probes designed to enhance assessment and characterization of target markers in the various disease states. The Anatomic Pathology panels provide labs with the opportunity to add new markers to complement and enhance their traditional IHC panels.

Why choose RNAscope ISH for your panels?

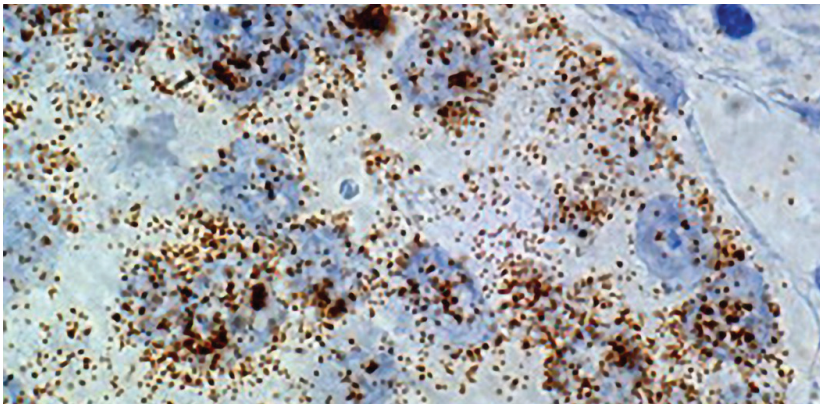
- **Unparalleled sensitivity and specificity**
  Detect any marker of interest to complement your IHC or DNA ISH, with consistently reliable results.
- **Surpass traditional IHC challenges**
  Easy validation, omit issues with high background, low signal or suboptimal antibodies.
- **Choose your platform**
  RNAscope ISH probes are available and ready to use in both manual and automated formats. RNAscope probes have been developed for full automation on the Leica BOND and Ventana Discovery platforms.
- **Intuitive protocol, implemented seamlessly into your workflow**
  The RNAscope ISH protocol is easy to follow, similar in workflow to IHC and can be transferred to your established Leica BOND and Ventana Discovery staining platforms with ease.

CERVICAL/GYNECOLOGIC PATHOLOGY

Marker	Probe Name
Chlamydia trachomatis	Ctr-16SrRNA
HPV 6	HPV 6
HPV 6/11	HPV 6/11
HPV 11	HPV 11
HPV 16	HPV 16
HPV 16/18	HPV 16/18
HPV 18	HPV 18
HPV High Risk 7 Pool (16, 18, 31, 33, 35, 52, 58)	HPV HR7
HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 45, 51, 52, 53, 56, 58, 59, 66 68, 73, 82)	HPV HR18
HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44)	HPV LR6
TERT	Hs-TERT-O1

DERMATOPATHOLOGY

Marker	Probe Name
Candida albicans	F-C. albicans-18SrRNA
HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82)	HPV HR18
HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44)	HPV LR6
Merkel Cell Polyoma Virus	V-MCPyV-LT-ST-Ag
PRAME	Hs-PRAME



RNAscope ISH IS EASY to interpret and quantify, allowing for straightforward light microscopic assessment, similar to IHC. In this example of a human oropharyngeal squamous cell carcinoma (FFPE tissue), the HPV HR18 probe highlights transcriptionally active high risk HPV. The brown chromogenic dots represent individual HPV E6/E7 mRNA molecules.

HEAD AND NECK PATHOLOGY

Marker	Probe Name
HPV 16	HPV 16
HPV 18	HPV 18
HPV 45	HPV 45
HPV High Risk 7 Pool (16, 18, 31, 33, 35, 52, 58)	HPV HR7
HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82)	HPV HR 18
HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44)	HPV LR6
MYB	Hs-MYB

GI / LIVER PATHOLOGY

Marker	Probe Name
Albumin	Albumin*
Helicobacter pylori	B-H.pylori-16S

INFECTIOUS DISEASE PATHOLOGY

Marker	Probe Name
BK Virus	V-BKV
CMV	CMV*
EBV	EBV EBER-1*
HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82)	HPV HR 18
HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44)	HPV LR6
Merkel Cell Polyoma Virus	V-MCPyV-LT-ST-Ag
RSV	V-RSV-NP
SARS CoV-2	V-nCoV2019-S
Bartonella henselae	B.henselae-23SrRNA
Chlamydia trachomatis	Ctr-16SrRNA
Candida albicans	F-C. albicans-18SrRNA

HEMATOPATHOLOGY

Marker	Probe Name
Bartonella henselae	B-B.henselae-23SrRNA
CXCL13	Hs-CXCL13
EBV	EBV EBER-1*
IG Kappa	Hs-IGK
IG Lambda	Hs-IGL
IGLL5	Hs-IGLL5
IRTA1 (FCRL4)	Hs-FCRL4
PD-L2 (PDCD1LG2)	Hs-PDCD1LG2-01

UROPATHOLOGY

Marker	Probe Name
BK Virus	V-BKV
TERT	Hs-TERT-O1

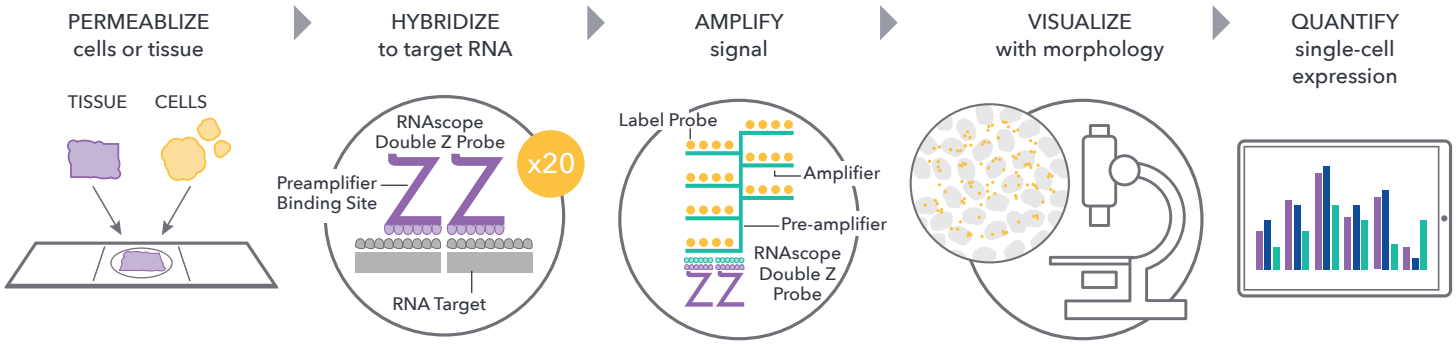
LUNG PATHOLOGY

Marker	Probe Name
ALK Translocation	Hs-ALK-E19-E29
Napsin A	Napsin A*
ROS1 Translocation	Hs-ROS1-E35-E43
SARS-CoV-2	V-nCoV2019-S
TTF-1	TTF-1*

MISCELLANEOUS ONCOLOGY

Marker	Probe Name
FGF23	Hs-FGF23
Pan NTRK1/2/3	NTRK1/2/3 Pool
PD-L1	Hs-CD274

* RNAscope probes available as Analyte Specific Reagents (ASRs) via Leica Biosystems



The technology is readily available on automated staining platforms for ease of use, high reproducibility, and seamless fit into the anatomic pathology lab workflow.

Learn more about RNAscope application for viral pathogenesis research:
acdbio.com/science/applications/research-areas/infectious-diseases

To request a quote, contact: acd_sales@bio-techne.com

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Doc# MK 51-106 RevB/Effective Date 05/20/2020

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