

# QUAN Dx<sup>®</sup>

MOLECULAR DIAGNOSTICS INNOVATOR

## LUNG CANCER ALK/ROS1/RET TESTING PANEL

### FUSION GENE DETECTION

Detection of cancer-specific fusion genes is critical in both research and clinical settings, as it can ensure that the correct diagnosis is made and that the optimal treatment is chosen.

While current methodologies used to detect such fusion genes can be both laborious and time consuming, QuanDx's Lung Cancer ALK/ROS1/RET Testing Panel provides a sensitive, specific, reliable and cost-effective tool that is easy to perform for the routine screening of lung cancer fusion transcripts.

### KEY FEATURES

- **Comprehensive:** Allows simultaneous detection of 6 fusion genes, including 35 fusion variants.
- **Compatibility:** Test is compatible with most current real-time qPCR instruments.
- **Rapid:** Results can be obtained within 2 hours.
- **Simple:** Easy to perform for routine screening.

### ABOUT THE LUNG CANCER TESTING PANEL

The QuanDx Lung Cancer Panel utilizes Yin-Yang probes, a novel technology for nucleic acid detection and related applications. The Lung Cancer ALK/ROS1/RET Testing Panel is a novel multiplex reverse transcription real-time PCR (RT-qPCR) system for simultaneous detection of 6 fusion genes, including 35 fusion variants. Fusion and control gene transcripts are co-amplified in each reaction and identified by specific fluorescent probes.

### PRODUCT SPECIFICATIONS

FUSION GENES	KIF5B-RET,KIF5B-ALK,CD74-ROS1,TFG-ALK,SLC34A2-ROS1,EML4-ALK
SAMPLE TYPES	FFPE, frozen, and fresh lung cancer tissue
REACTION TIME	2 hours
INTERNAL CONTROL	GUSB as housekeeping gene
INSTRUMENTS	Compatible with Bio-Rad CFX96, iCycler, ABI7500, Roche LightCycler 480, Stratagene Mx3000P/Mx3005P, and other commonly used RT-qPCR instruments
DETECTION CHANNELS	FAM, HEX, CY5

## ORDERING INFORMATION

### LUNG CANCER ALK/ROS1/RET TESTING PANEL

Cat. No.	Description	Size
1-200-20020	Lung Cancer ALK/ROS1/RET Testing Panel, 20T	20 reactions

Research Use Only. Not intended for use in diagnostic procedures.



Learn More at  
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