

# QUAN Dx<sup>®</sup>

MOLECULAR DIAGNOSTICS INNOVATOR

## EML4-ALK FUSION GENE DETECTION KIT

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#### INTRODUCTION

Identification of the EML4-ALK fusion gene, which is present in 5-7% of non-small cell lung cancer (NSCLC) cases, has significant implications for therapy selection. Presence of the EML4-ALK gene promotes tumor cell growth, and also indicates poor response to therapies that inhibit EGF receptor (EGFR) activity. In patients carrying the EML4-ALK fusion gene, specific anaplastic lymphoma kinase or ALK inhibitors like Crizotinib have shown promising results.

Diagnostic testing for ALK fusion genes is routine in panel testing for NSCLC. QuanDx's EML4-ALK fusion gene detection kit provides a simple multiplex test to detect commonly found EML4-ALK subtypes, requiring minimal sample preparation while providing consistent, reliable results.

#### KEY FEATURES

- **Multiplexing:** Allows detection of 17 fusion variants simultaneously.
- **Compatibility:** Test is compatible with current real-time qPCR instruments.
- **Rapid:** Results can be obtained within 2 hours.
- **Simple:** Easy to perform for routine screening.

### PRODUCT SPECIFICATIONS

<b>FUSION VARIANTS</b>	V1, V2, V3a/b/c, V4, V5a/b, V6a/b, V7, V8a/b/c/d, V9, V10
<b>SAMPLE TYPES</b>	FFPE, frozen, and fresh lung cancer tissue
<b>REACTION TIME</b>	2 hours
<b>INTERNAL CONTROL</b>	GUSB as housekeeping gene
<b>INSTRUMENTS</b>	Compatible with Bio-Rad CFX96, iCycler, ABI7500, Roche LightCycler 480, Stratagene Mx3000P/Mx3005P, and other commonly used RT-qPCR instruments
<b>DETECTION CHANNELS</b>	HEX, CY5

## ORDERING INFORMATION

### EML4-ALK FUSION GENE DETECTION KIT

Cat. No.	Description	Size
1-200-10020	EML4-ALK Fusion Gene Detection Kit	20 reactions

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

**QUANDX**<sup>®</sup>  
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