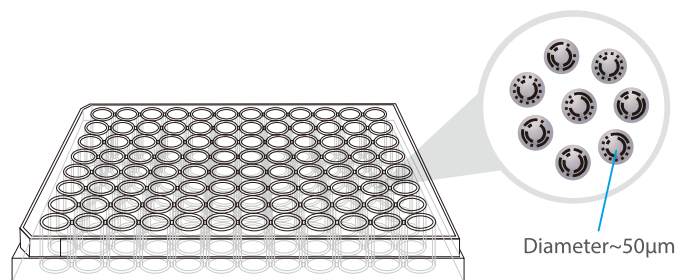


# IntelliPlex™ ALK Rearrangement Kit

The IntelliPlex ALK Rearrangement Kit is a qualitative molecular assay for the detection of gene rearrangements on variants EML4-ALK, KIF5B-ALK, and TFG-ALK of the ALK gene. The kit offers a broad coverage of 24 variants in a single well by using the one-step RT-PCR and  $\pi$ Code MicroDisc technologies.

## Single-Well Multiplexing

Multiplexing is made possible by using the  $\pi$ Code MicroDiscs technology. Each probes are individually coated on the MicroDiscs of different image patterns. The coated MicroDiscs are then pooled together for hybridization in a single-well format.



## ALK (24 Variants)

Variants	Exon Note
EML4-ALK	V1 (E13;A20), V2 (E20;A20), V3a (E6;A20), V3b (E6ins33;A20), V3c (E6ins18;A20), V4 (E14;ins11del49 A20), "V4" (E15del60;del71 A20), V5a (E2;A20), V5b (E2;ins117 A20), "V5" (E18;A20), V6 (E13;ins69 A20),

Variants	Exon Note	
EML4-ALK	V7 (E14;del12 A20), V8a (E17;ins30 A20 ) V8b (E17ins61;ins34 A20) E6;A19, E20;ins18 A20, E3;ins53 A20, E14ins2;ins56 A20, E17;ins68 A20	
	KIF5B-ALK	K15;A20, K24;A20
	TFG-ALK	T4;A20, T5;A20, T6;A20

### ▶ PRODUCT HIGHLIGHTS

- Single-well multiplex detection
- Highly sensitive (~ 500 copies)
- Low sample input (10ng)
- < 6 hrs turnaround time (sample preparation included)

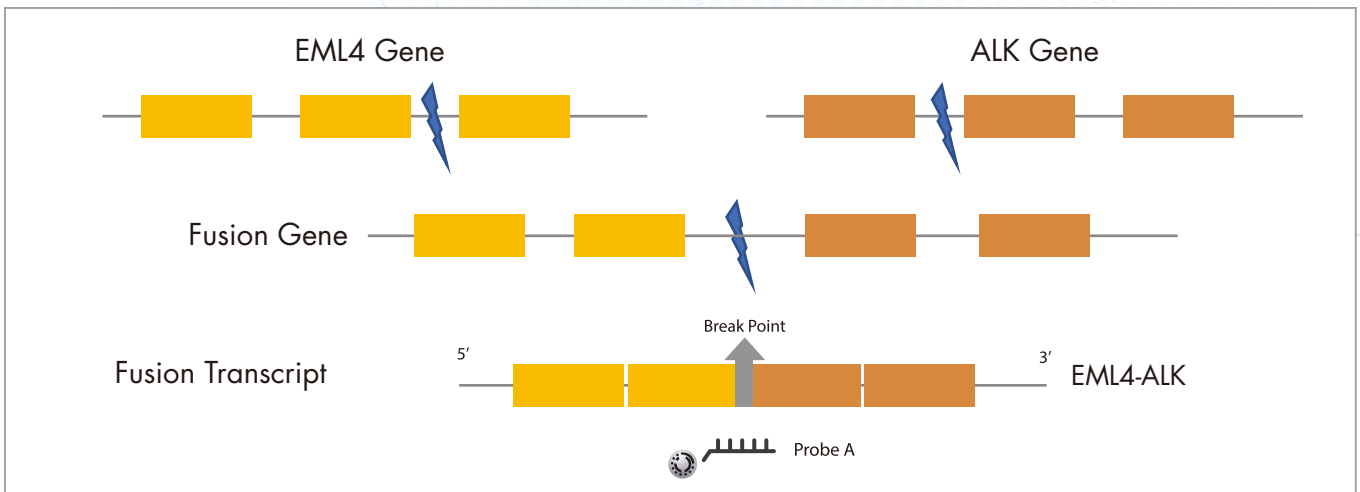
### ▶ INSTRUMENTATIONS

- DigiPlex™ Thermocycler
- IntelliPlex™ 1000  $\pi$ Code Processor
- PlexBio™ 100 Fluorescent Analyzer

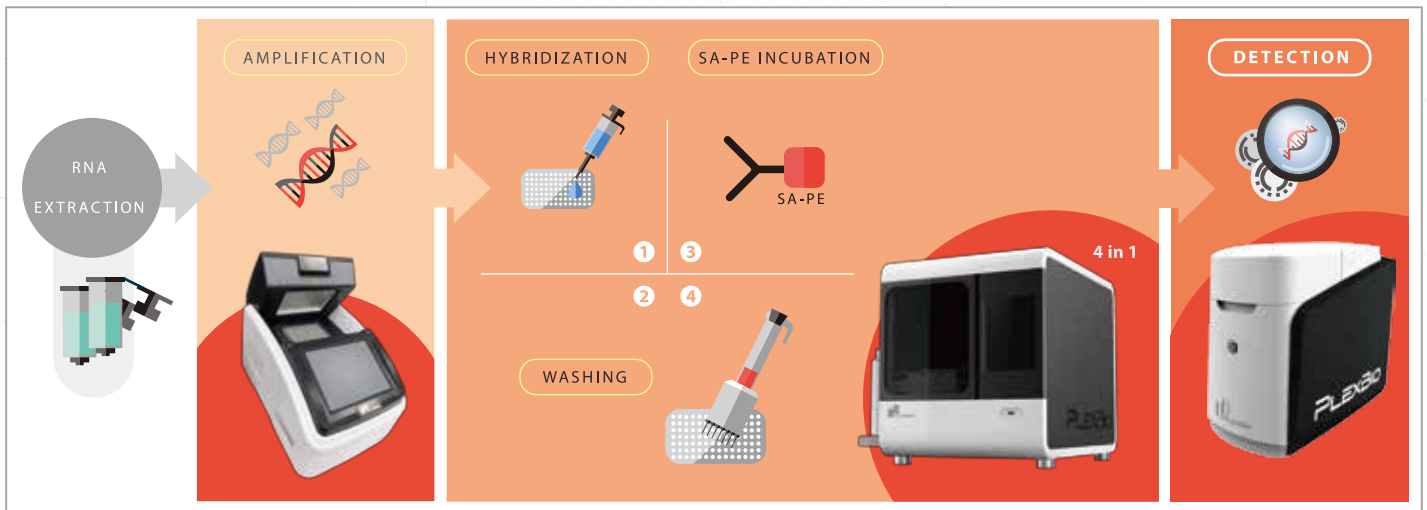
### ▶ SPECIMEN TYPES

- FFPE
- Fresh Tissue

## Dual Probe Detection

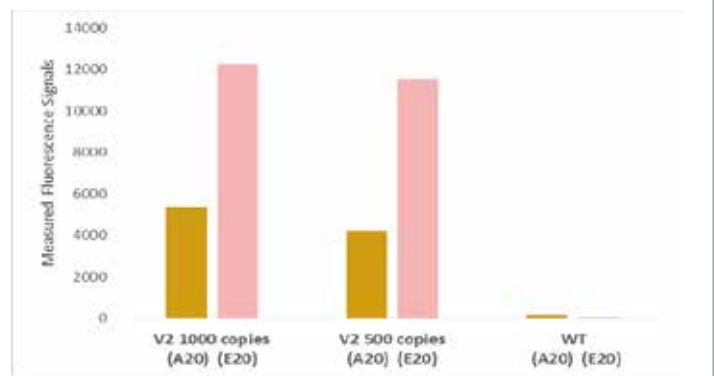


## Assay Work Flow




## High Sensitivity

An example performance of the IntelliPlex ALK Rearrangement Kit, as illustrated by its capability to detect small amounts of variants among the wild type.



## Order Information

Category	Product Name	Package Size	Cat. No.
Assay Kit	IntelliPlex™ ALK Rearrangement Kit	24 rxns	82023

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