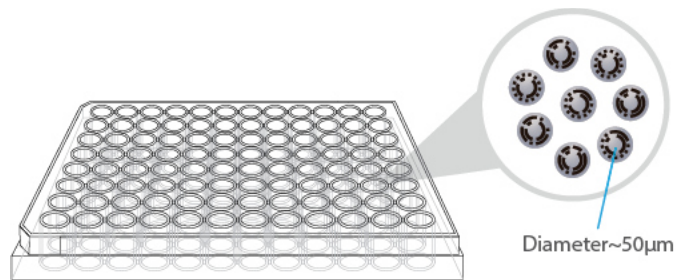


# IntelliPlex™ RET/NTRK1 Rearrangement Kit

The IntelliPlex™ RET/NTRK1 Rearrangement Kit is a qualitative molecular assay for the detection of clinically actionable gene rearrangements of the RET and NTRK1 genes. A total of 14 rearrangements can be identified in a single well by using  $\pi$ Code™ MicroDisc and one-step RT-PCR technologies.

## SINGLE-WELL MULTIPLEXING

$\pi$ Code™ technology enables multiplexing with ease. Each  $\pi$ Code™ MicroDisc has a distinct image pattern and is coupled to a unique probe, allowing the capture and detection of multiple targets in a single well.



## RET/NTRK1 (14 VARIANTS)

FUSION VARIANT	INFERRED BREAKPOINT
KIFS8-RET	K15:R11, K15:R12, K16:R12, K22:R12
	K23:R12, K24:R8, K24:R11
CCDC6-RET	C1:R12
NCOA4-RET	N6:R12, N8:R12
TRIM33-RET	T14:R12
CUX1-RET	CX10:R12
CD74-NTRK1	C8:N12
MPRIIP-NTRK1	C21:N14

### PRODUCT HIGHLIGHTS

- Single-well multiplex detection
- High sensitivity (12-486 copies)
- Low RNA sample input ( $\geq 50$ ng)
- < 6 hrs turnaround time (sample preparation included)

### INSTRUMENTATION

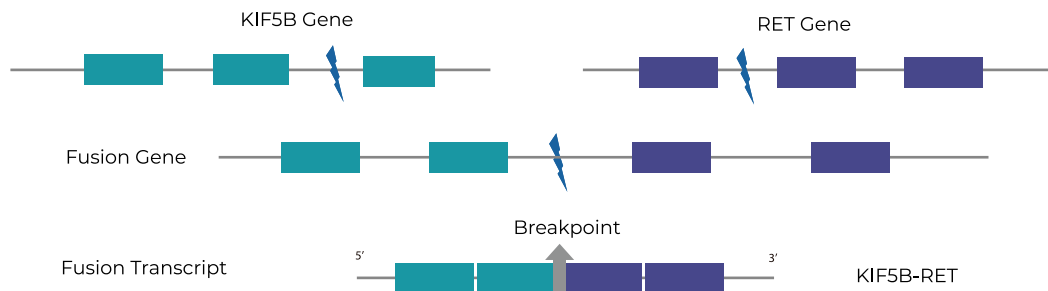
- DigiPlex™ Thermocycler
- IntelliPlex™ 1000  $\pi$ Code Processor
- PlexBio™ 100 Fluorescent Analyzer

### SPECIMEN

- FFPE

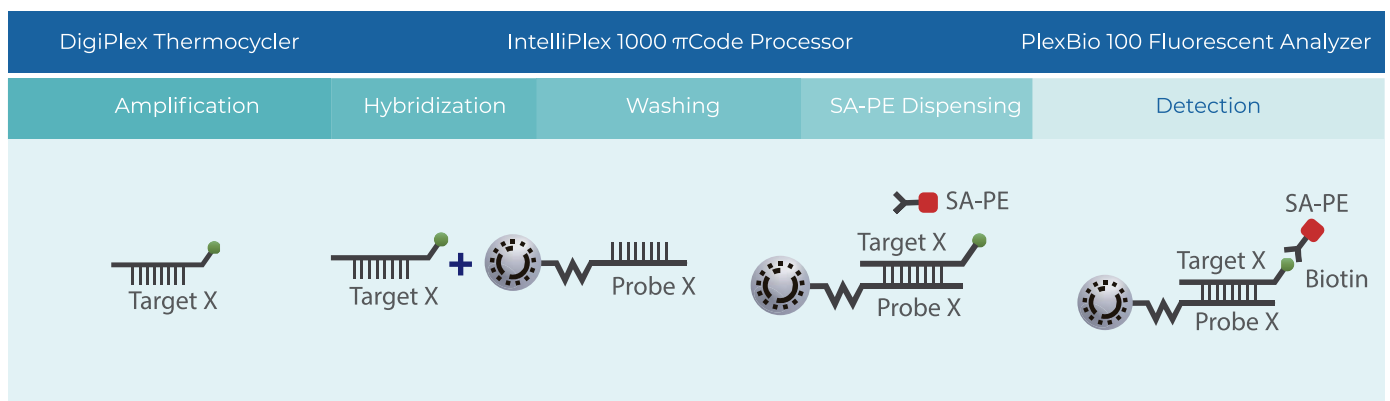


## FUSION TRANSCRIPT DETECTION



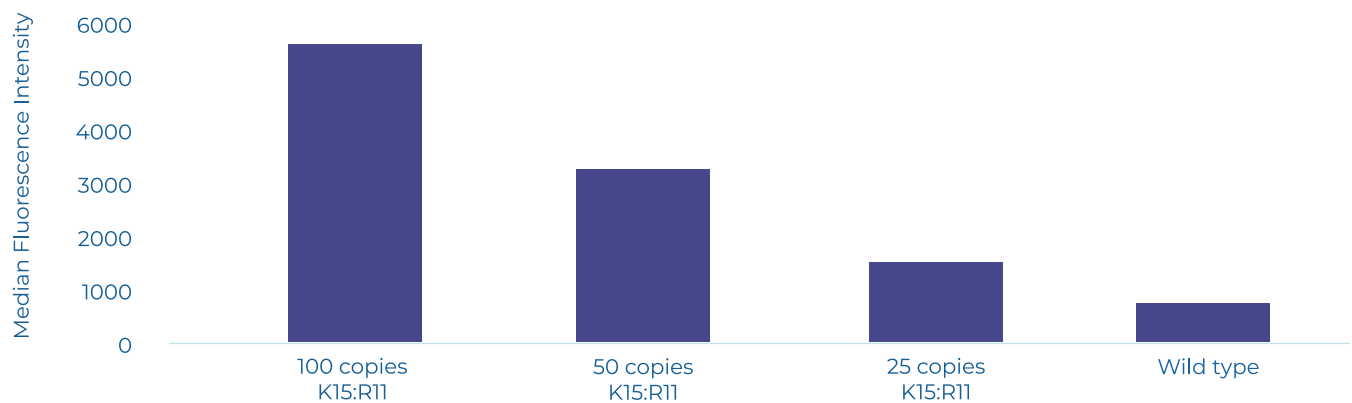
## ASSAY WORKFLOW

A seamless multiplexing workflow results in highly sensitive mutation discrimination with minimal hands on time.



## PERFORMANCE DATA

Detection of small amounts of variant among wild type.



## ORDER INFORMATION

CATEGORY	PRODUCT NAME	PACKAGE VOLUME	CAT. NO
ASSAY KIT	IntelliPlex™ RET-NTRK1 Rearrangement Kit	24 rxns	82025



Order Info : [order@plexbio.com](mailto:order@plexbio.com)  
 General Info : [marketing@plexbio.com](mailto:marketing@plexbio.com)  
[www.plexbio.com](http://www.plexbio.com)

