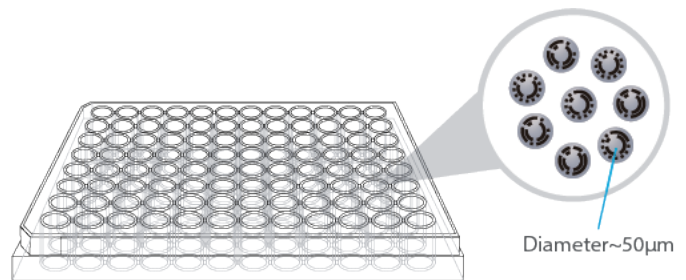


IntelliPlex™ Lung Cancer Panel – cfRNA

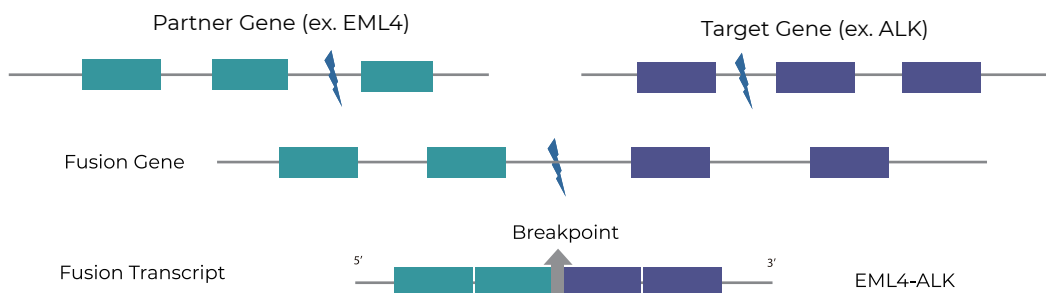
The IntelliPlex™ Lung Cancer Panel - cfRNA is a qualitative molecular assay for the detection of variants that are clinically actionable for targeted therapy selection in non-small cell lung cancer (NSCLC). The assay detects 28 variants of the ALK, ROS1, RET, NTRK1 and MET genes using cell-free RNA derived from plasma of patients with NSCLC.

SINGLE-WELL MULTIPLEXING

π Code™ technology enables multiplexing with ease. Each π 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.



FUSION TRANSCRIPT DETECTION



PRODUCT HIGHLIGHTS

- High sensitivity (LoD: 10~89 copies)
- Low RNA sample input (≥ 50 ng)
- < 3.5 hrs turnaround time (sample preparation excluded)

INSTRUMENTATION

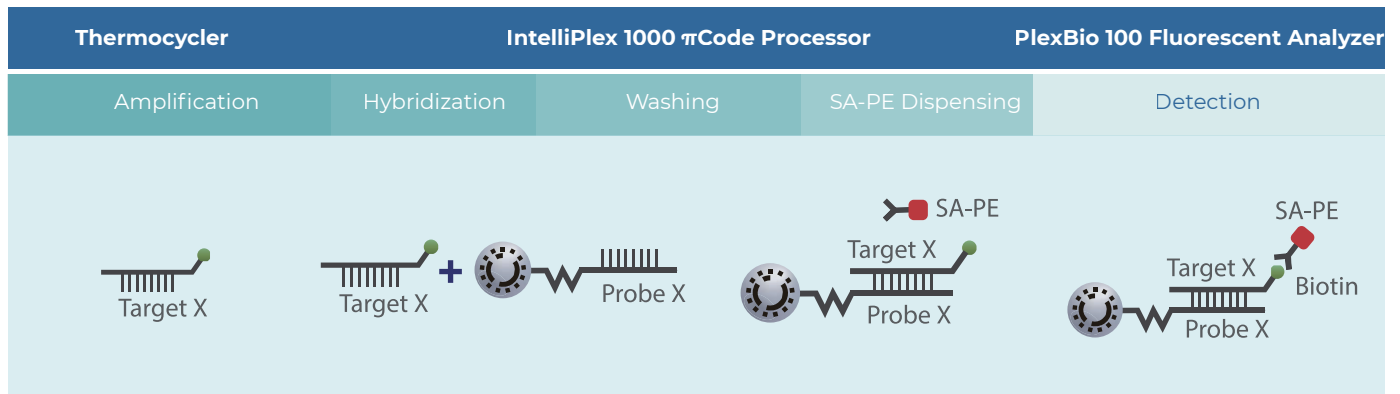
- MiniAmp Thermal Cycler
- IntelliPlex™ 1000 π Code Processor
- PlexBio™ 100 Fluorescent Analyzer

SPECIMEN

- Liquid Biopsy

ASSAY WORKFLOW

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



VARIANTS DETECTED AND LIMIT OF DETECTION (LoD)

GENE	FUSION VARIANT	INFERRED BREAKPOINT	LoD, copies
ALK	EML4-ALK V1	E13:A20	10
	EML4-ALK V2	E20:A20	10
	EML4-ALK V3a	E6a:A20	10
	EML4-ALK V3b	E6b:A20	10
	EML4-ALK V4	E14:A20	10
	EML4-ALK V5a	E2a:A20	10
	EML4-ALK V5b	E2b:A20	10
	EML4-ALK V"5"	E18:A20	10

GENE	FUSION VARIANT	INFERRED BREAKPOINT	LoD, copies
RET	CCDC6-RET	C1:R12	10
	KIF5B-RET	K15:R11	10
		K15:R12	10
		K16:R12	10
		K22:R12	10
		K23:R12	10
	TRIM33-RET	T14:R12	10
	NCOA4-RET	N6:R12	10

GENE	FUSION VARIANT	INFERRED BREAKPOINT	LoD, copies
ROS1	SLC34A2-ROS1	S4:R32	50
		S4:R34	10
	CD74-ROS1	C6:R32	89
		C6:R34	14
	SDC4-ROS1	SD2:R32	20
		SD4:R32	54
		SD4:R34	10
	EZR-ROS1	E10:R34	10
	TPM3-ROS1	T8:R35	10

GENE	FUSION VARIANT	INFERRED BREAKPOINT	LoD, copies
NTRK1	CD74-NTRK1	C8:N12	46
	MPRIP-NTRK1	M21:N14	10
MET	Exon 14 skipping	-	40

ORDER INFORMATION

CATEGORY	PRODUCT NAME	PACKAGE VOLUME	CAT. NO
ASSAY KIT	IntelliPlex™ Lung Cancer Panel – cfRNA	24 rxns	82031



Order Info : order@plexbio.com
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