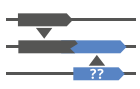




ARCHER® **FUSIONPlex**® Oncology Research Kit

The Archer® FusionPlex® Oncology Research Kit is a targeted next generation sequencing (NGS) assay to simultaneously detect and identify fusions and other mutations associated with 74 genes found in RNA transcripts that are linked to various cancers. This kit is extensive and purpose-built to advance fusion discovery, including research efforts in the area of Ph-like ALL fusions.

Highlights



Novel fusion detection
Simultaneously identify both known and novel translocations



Sample versatility
Purpose-built for low-input FFPE samples



Lyophilized workflow
Reduce turn-around time and eliminate master mixes



Extensive
Comprehensive target list includes critical pediatric cancer markers

Specifications

74

Gene targets

≥10ng

Input nucleic acid required*

3M

Recommended # of reads

2.5h

Hands-on time

9h

Total time

Illumina® & Ion Torrent™

Platforms

*Input recommendations for FFPE samples vary depending on Archer Preseq® RNA QC score; 50ng input recommended in absence of PreSeq screening

Gene targets

ABL1	CRLF2	ETV5	JAK3	NOTCH2	PPARG	SYK
ABL2	CSF1R	ETV6	KIT	NRG1	PRKCA	TERT
AKT1	EGFR	EWSR1	MAML2	NTRK1	PRKCB	TFE3
AKT2	EPOR	FGFR1	MAST1	NTRK2	PTK2B	TFEB
AKT3	ERBB2	FGFR2	MAST2	NTRK3	RAF1	THADA
ALK	ERBB4	FGFR3	MET	NUMBL	RARA	TMPRSS2
ARHGAP26	ERG	FGR	MSMB	NUT	RELA	TSLP
AXL	ESR1	IL2RB	MUSK	PDGFRA	RET	TYK2
BRAF	ESRRA	INSR	MYB	PDGFRB	ROS1	
BRD3	ETV1	JAK1	MYC	PIK3CA	RSPO2	
BRD4	ETV4	JAK2	NOTCH1	PKN1	RSPO3	

Legend

- ◆ SNV or indel
- Fusion, splicing or exon skipping

Product information

Illumina

AB0009 — 8 reactions
 AB0031 — 16-reaction starter
 AB0061 — 48 reactions

Ion Torrent

AB0010 — 8 reactions
 AB0032 — 16-reaction starter
 AB0062 — 48 reactions



One size ^{does not} fits ~~all~~.

Want to customize? Combine any of hundreds of wet lab-validated designs or modify an existing Archer panel with **Archer Assay Designer**, the premiere online design tool to build an assay that fits your exact requirements.

Learn more at archerdx.com/solid-tumor



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