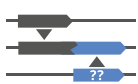


ARCHER® **FUSIONPlex**® Solid Tumor Kit

The Archer® FusionPlex® Solid Tumor Kit is a robust targeted sequencing assay to simultaneously detect and identify fusions and other mutations associated with over 50 genes linked to various carcinomas. This kit uses Archer's proprietary Anchored Multiplex PCR (AMP™)-based enrichment to detect all fusions, even without prior knowledge of fusion partners or breakpoints.

Highlights



Comprehensive 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



Future-proof
Add targets without sacrificing sample performance

Specifications

53

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

AKT3	ERG	FGFR2	MSMB	NTRK3	PRKCA	TERT
ALK	ESR1	FGFR3	MUSK	NUMBL	PRKCB	TFE3
ARHGAP26	ETV1	FGR	MYB	NUTM1	RAF1	TFEB
AXL	ETV4	INSR	NOTCH1	PDGFRA	RELA	THADA
BRAF	ETV5	MAML2	NOTCH2	PDGFRB	RET	TMPRSS2
BRD3	ETV6	MAST1	NRG1	PIK3CA	ROS1	
BRD4	EWSR1	MAST2	NTRK1	PKN1	RSPO2	
EGFR	FGFR1	MET	NTRK2	PPARG	RSPO3	

Legend

◆ SNV or indel

● Fusion, splicing or exon skipping

Product information

ILLUMINA

AB0005 — 8 reactions

AB0027 — 16-reaction starter

AB0057 — 48 reactions

ION TORRENT

AB0006 — 8 reactions

AB0028 — 16-reaction starter

AB0058 — 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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