# ARCHER®
*FUSION*Plex®
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
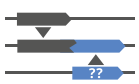
Comprehensive fusion detection
Simultaneously identify both known and novel translocations

Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Sample versatility
Purpose-built for low-input FFPE samples

Future-proof
Add targets without sacrificing sample performance

Specifications

53	**≥10ng**	**3M**
Gene targets	Input nucleic acid required*	Recommended # of reads
2.5h	**9h**	**Illumina® & Ion Torrent™**
Hands-on time	Total time	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 ~~fits~~ *does not* fit 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

ARCHER®

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