ARCHER® FUSIONPlex® Lung Kit

The Archer® FusionPlex® Lung Kit is a targeted next-generation sequencing (NGS) assay to detect EGFR vIII and MET exon 14 skipping events along with prominent ALK, BRAF, FGFR, NRG1, NTRK, RET, and ROS1 fusions and select point mutations in 14 key gene targets associated with lung cancer. The kit is powered by Archer's proprietary Anchored Multiplex PCR (AMP™) target enrichment chemistry to detect fusions in a single sequencing assay, even without prior knowledge of fusion partners or breakpoints.

Highlights

Focused fusion detection
Small panel to interrogate discrete oncogenic fusions

Sample versatility
Purpose-built for low-input FFPE samples

Splice variants
Identify expressed EGFRvIII and MET exon 14 skipping events

Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

14	≥10ng	500K
Gene targets	Input nucleic acid required*	Recommended # of reads
2.5h	9h	Illumina®
Hands-on time	Total time	Platform

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

Gene targets

ALK ◆ ●	EGFR ◆ ●	FGFR2 ●	KRAS ◆	NRG1 ●	NTRK2 ●	RET ◆ ●
BRAF ◆ ●	FGFR1 ●	FGFR3 ●	MET ●	NTRK1 ●	NTRK3 ●	ROS1 ◆ ●

Legend
◆ SNV or indel
● Fusion, splicing or exon skipping

Product information

Illumina

AB0121 — 8 reactions
AB0128 — 16-reaction starter
AB0129 — 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

ARCHER®

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