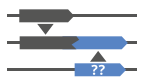


ARCHER® **FUSIONPlex**® Comprehensive Thyroid & Lung Kit

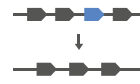


The Archer® FusionPlex® Comprehensive Thyroid & Lung (CTL) Kit is a targeted NGS panel to detect gene fusions, SNV, indels, splicing and gene expression in 36 genes associated with lung and thyroid cancers. This panel complements the Archer VariantPlex® CTL Panel for comprehensive mutation profiling of fusions, CNVs and variants.

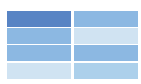
Highlights



Powerful fusion detection
Simultaneously identify both known and novel translocations



Splice variants
Identify expressed EGFRvIII and MET exon 14 skipping events



Expression
Molecular barcode-enabled expression imbalance confirms fusions



Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

36

Gene targets

≥10ng

Input nucleic acid required*

1.5M

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

AKT1	CTNNB1	FGFR3	KRT7	NTRK1	RAF1
ALK	DDR2	GNAS	KRT20	NTRK2	RET
AXL	EGFR	HRAS	MAP2K1	NTRK3	ROS1
BRAF	ERBB2	IDH1	MET	PIK3CA	SLC5A5
CALCA	FGFR1	IDH2	NRAS	PPARG	THADA
CCND1	FGFR2	KRAS	NRG1	PTH	TTF1

Legend

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

Product information

Illumina

AB0007 — 8 reactions
 AB0029 — 16-reaction starter
 AB0059 — 48 reactions

Ion Torrent

AB0008 — 8 reactions
 AB0030 — 16-reaction starter
 AB0060 — 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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