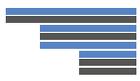




ARCHER[®]
VARIANTPlex[®]
Comprehensive
Thyroid & Lung Kit

The Archer[®] VariantPlex[®] Comprehensive Thyroid and Lung (CTL) Kit is an NGS-based targeted sequencing assay to detect CNVs, SNVs and indels in 31 thyroid and lung cancer-implicated genes. The kit covers entire targeted exons while maintaining high coverage uniformity (> 95%) and on-target reads (99.9%). When used alongside the RNA-based FusionPlex[®] CTL Kit, fusions, SNVs, CNVs and expression profiles can be analyzed from a single low-input FFPE sample.

Highlights



Superior coverage
Open-ended amplification gives strand-specific bidirectional coverage



Sample versatility
Purpose-built for low-input FFPE samples



Quantitative
Molecular barcode-enabled, robust and accurate CNV calling



Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

31

Gene targets

≥10ng

Input nucleic acid required*

1.5M

Recommended # of reads

2.5h

Hands-on time

1 day

Total time

Illumina[®]

Platform

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

Gene targets

AKT1	EGFR	GNAS	MAP2K1	PTEN	TSHR
ALK	EIF1AX	HRAS	MDM2	RET	
BRAF	ERBB2	IDH1	MET	ROS1	
CCND1	FGFR1	IDH2	NRAS	STK11	
CTNNB1	FGFR2	KIT	PDGFRA	TERT	
DDR2	FGFR3	KRAS	PIK3CA	TP53	

Legend
◆ SNV or indel
■ CNV

Product information

Illumina

AB0077 — 8 reactions

AB0079 — 16-reaction starter

AB0081 — 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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