



ARCHER® **REVEAL** ctDNA™ 28

NGS kit for liquid biopsy research

The Archer® Reveal ctDNA™ 28 Kit is an advanced and user-friendly solution for targeted next generation sequencing (NGS) of circulating cell-free tumor DNA (ccfDNA/cfDNA/ctDNA) from up to 28 genes commonly found mutated in solid tumor type cancers. Anchored Multiplex PCR (AMP™)-based target enrichment preferentially enriches for highly fragmented ctDNA fragments over genomic cfDNA to reduce background and increase detection sensitivity of low-allelic fraction (AF) mutations.

Highlights



Relevant fragment capture
Preferential ctDNA enrichment increases sensitivity of low-AF mutations



Error correction & quantitative analysis
Molecular barcodes enable deduplication & error correction for confident sub-1% AF calls



Single-day library prep
Streamlined workflow enables sequencing results in as little as 3 days



Sequencer noise characterization
Know noise & unique molecule coverage at each position for advanced confidence metrics

Specifications

28

Gene targets

≥5ng

Input nucleic acid required

5M

Recommended # of reads

1h

Hands-on time

1 day

Total time

Illumina®

Platform

Gene targets

AKT1	CTNNB1	ESR1	IDH2	MAP2K2	NTRK1	RET
ALK	DDR2	FGFR1	KIT	MET	NTRK3	ROS1
AR	EGFR	HRAS	KRAS	MTOR	PDGFRA	SMAD4
BRAF	ERBB2	IDH1	MAP2K1	NRAS	PIK3CA	TP53

Legend

◆ SNV or indel

Product information

illumina

AB00088 — 8 reactions

AB00089 — 16-reaction starter

AB00090 — 48 reactions

AB00106 — 16-reaction concordance kit



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/reveal-ctDNA



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