

ARCHER® **FUSIONPlex**®

Acute Lymphoblastic Leukemia (ALL) Kit

The Archer® FusionPlex® Acute Lymphoblastic Leukemia (ALL) Kit is a targeted next-generation sequencing assay to detect and identify fusions, point mutations and expression levels in 81 genes associated with Acute Lymphoblastic Leukemia, including recurrent Ph-Like ALL fusion events. The kit uses Archer's proprietary Anchored Multiplex PCR (AMP™)-based enrichment to detect fusions, even without prior knowledge of fusion partners or breakpoints.

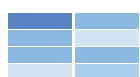
Highlights



Powerful fusion detection
Detect known & novel fusions,
including recurrent PH-like ALL fusions



Future-proof
Add targets without sacrificing
sample performance



Expression profiling
Molecular barcode-enabled expression
detection for select genes



Lyophilized workflow
Reduce turn-around time and
eliminate master mixes

Specifications

81

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

ABL1	CRLF2	HOXA9	JAK3	NRAS	PDGFRB	STAT5B
ABL2	CSF1R	HOXA10	KDM6A	NT5C2	PICALM	STIL
AICDA	CTLA4	IDH1	KLF2	NTRK3	PTK2B	TAL1
BCL11B	DNM2	IDH2	KMT2A	NUP98	PTPN11	TCF3
BCL2	DNTT	IKZF1	KRAS	NUP214	RAG1	TLX1
BCL6	EBF1	IKZF2	LMO1	P2RY8	RAG2	TLX3
BCR	EPOR	IKZF3	LYL1	PAG1	RUNX1	TYK2
BLNK	ETV6	IL7R	MLLT4	PAX5	SEMA6A	WT1
BRAF	EZH2	IRF4	MPL	PBX1	SETD2	ZCCHC7
CD274	FBXW7	IRF8	MYC	PDCD1	SH2B3	
CHD1	FGFR1	JAK1	NF1	PDCD1LG2	SOX11	
CREBBP	FLT3	JAK2	NOTCH1	PDGFRA	STAT3	

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

Product information

Illumina

AB0013 — 8 reactions
 AB0035 — 16-reaction starter
 AB0065 — 48 reactions

Ion Torrent

AB0014 — 8 reactions
 AB0036 — 16-reaction starter
 AB0066 — 48 reactions



One size ^{does not} fits all.

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