

ARCHER® **FUSIONPlex**® Lymphoma Kit



The Archer® FusionPlex® Lymphoma Kit is a targeted next generation sequencing assay to simultaneously detect and identify fusions, point mutations, and expression levels in 125 genes linked to lymphomas. Using Anchored Multiplex PCR (AMP™)-based enrichment, fusions can be identified even without prior knowledge of fusion partners or breakpoints.

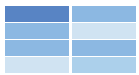
Highlights



Extensive gene list
Detect known and novel fusions associated with lymphomas



Future-proof
Add targets without sacrificing sample performance



Expression profiling
Molecular barcode-enabled expression detection for immune checkpoint genes and DLBCL subtyping



Lyophilized workflow
Reduce turn-around time and eliminate master mixes

Specifications

125

Gene targets

≥10ng

Input nucleic acid required*

2M

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

AICDA	CBFB	CREBBP	FGFR1	LZTS1	NRAS	RANBP1
AKT3	CCDC50	CTLA4	FOXP1	MAL	P2RY8	RHOA
ALK	CCND1	CYB5R2	FUT8	MALT1	PAICS	S1PR2
ASB13	CCND2	DEK	IDH1	MAML3	PDCD1	SERPINA9
BATF3	CCND3	DENND3	IDH2	MKL1	PDCD1LG2	SF3B1
BAX	CD274	DLEU1	IL16	MLF1	PDGFRA	SH3BP5
BCL2	CD44	DNMT3A	IRF4	MLLT10	PIM1	STAT3
BCL2A1	CD79B	DNMT3B	IRF8	MME	PIM2	STAT5B
BCL3	CDC25A	DNTT	ITPKB	MUC1	PLCG1	STAT6
BCL6	CDK6	DUSP22	JAK1	MYBL1	PLCG2	STIL
BCR	CDKN2A	E2F2	JAK2	MYC	PPAT	STRBP
BIRC3	CDKN2B	EIF4A1	JAK3	MYD88	PRDM16	TCF3
BLNK	CEBPD	ENTPD1	KIAA0101	NEK6	PRKAR2B	TNFRSF13B
BMF	CEBPE	ETV6	KMT2A	NFKB1	PTPN1	TNFSF4
BMP7	CEBPG	EXOC2	KRAS	NFKB2	PYCR1	TP63
BRAF	CHIC2	EZH2	LIMD1	NME1	RAB29	WT1
BTK	CIITA	FAM216A	LMO2	NOTCH1	RAG1	XPO1
CARD11	CREB3L2	FBXW7	LRMP	NOTCH2	RAG2	

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

Product information

Illumina

AB0019 — 8 reactions
 AB0041 — 16-reaction starter
 AB0071 — 48 reactions

Ion Torrent

AB0020 — 8 reactions
 AB0042 — 16-reaction starter
 AB0072 — 48 reactions



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