



Pillar® ONCO/Reveal™ Myeloid Panel

The ONCO/Reveal Myeloid Panel is a robust NGS assay that interrogates 58 genes of interest* most relevant to myeloid cancer. The panel uses proprietary Stem-Loop Inhibition-Mediated amplification (SLIMamp®) technology for efficient single-tube target enrichment.

ONCO/Reveal Myeloid Panel (58 genes)

ABL1	BRAF	CEBPA▲	ETV6▲	HRAS	KDM6A▲	NPM1	PTEN	SMC1A	TP53▲
ANKRD26	CALR	CSF3R	EZH2▲	IDH1	KIT	NRAS	PTPN11	SMC3	U2AF1
ASXL1	CBL	CUX1	FLT3	IDH2	KMT2A	PDGFRA	RAD21▲	SRSF2	WT1
ATRX	CBLB	DDX41	GATA1	IKZF1▲	KRAS	PHF6▲	RUNX1▲	STAG1	ZRSR2▲
BCOR▲	CBLC	DNMT3A▲	GATA2▲	JAK2	MPL	PIGA▲	SETBP1	STAG2▲	
BCORL1▲	CDKN2A▲	ETNK1	GNAS	JAK3	NF1	PPM1D	SF3B1	TET2▲	

Full CDS coverage in genes indicated by ▲

Simple NGS library prep workflow

Maintain control of samples and results with single-tube, tiled amplification that can be performed in-house by any NGS lab

Sensitive and robust chemistry

Achieve variant detection as low as 1% VAF[†] without UID[‡] even with limited DNA input or poor sample quality

Reduced fully-loaded lab costs

Improve lab efficiency and reduce “no calls”, repeat testing, and difficult interpretation decisions

Simple, one-day workflow



*Panel content was designed in accordance with the Association for Molecular Pathology (AMP) guidelines and incorporates guidance from multiple hematologists. †VAF, variant allele frequency. ‡UID, unique ID; also known as unique molecular ID (UMI)

Panel attributes

Enrichment chemistry	Multiplex PCR using tiled amplicons
Number of pools	1 pool
Number of genes/amplicons	58/766
Number of targets	Full CDS coverage of 18 genes plus hotspots on 40 additional genes
Variant types	SNVs, indels, ITD (internal tandem duplicates)
Average amplicon size	215bp
Recommended DNA input range	10ng to 80ng (20ng recommended)
Sample types	Whole blood, PBMCs
Mapping rate	99.6% ± 0.2%
% on-target aligned reads	92.0% ± 5.3%
Coverage uniformity (% targets with >0.2X mean coverage)	96.8% ± 1.0%
Total assay time (from DNA to sequencer)	<8 hours
Sequencing platforms	Illumina® and Ion Torrent™

Ordering information

Select the panel AND one of the index kit options listed below.

Panel	Part number
ONCO/Reveal Myeloid Panel	HDA-MY-1001-24

Pillar Index Kit options	Part number
Pillar Kit A, indices PI501-8, PI701-4 (32 combinations)	IDX-PI-1001-96
Pillar Kit B, indices PI501-8, PI705-8 (32 combinations)	IDX-PI-1002-96
Pillar Kit C, indices PI501-8, PI709-12 (32 combinations)	IDX-PI-1003-96
Pillar Kit D, indices PI501-8, PI701-12 (96 combinations)	IDX-PI-1004-192
Pillar Kit E, indices PI501-8, PI701-12 (96 combinations)	IDX-PI-1004-384

Ion Torrent Index Kit options	Part number
Pillar Biosciences IonXpress Indexing Kit A (24 combinations) <i>Includes ION Common Index</i>	IDX-TI-1001-96

Order or learn more at
pillar-biosciences.com

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**PILLAR
BIOSCIENCES**

Pillar Biosciences, Inc.
9 Strathmore Rd
Natick, MA 01760
(800) 514-9307
info@pillar-biosciences.com