

oncoReveal® Myeloid v2 Panel

The **oncoReveal® Myeloid v2 Panel** is a robust NGS assay that interrogates 80 genes of interest most relevant to myeloid cancer. The panel uses proprietary Stem-Loop Inhibition-Mediated amplification (SLIMamp®) technology, a tiled amplicon-based library prep chemistry for efficient single-tube target enrichment.

oncoReveal® Myeloid v2 Panel (80 genes)

ABL1	CALR	CSF3R	EZH2	IDH2	MAP2K1	NPM1	RAD21	SMC1A	TET2
ANKRD26	CBL	CUX1	FLT3	IKZF1	MBD4	NRAS	RBBP6	SMC3	TP53
ARAF	CBLB	DDX41	GATA1	JAK2	MEN1	PDGFRA	RUNX1	SRSF2	U2AF1
ASXL1	CBLC	DNMT3A	GATA2	JAK3	MPL	PHF6	SAMD9	STAG1	U2AF2
ATRX	CCND2	ELANE	GNAS	KDM6A	MYC	PIGA	SAMD9L	STAG2	UBA1
BCOR	CDKN2A	ERCC6L2	GNB1	KIT	MYD88	PPM1D	SETBP1	STAT3	UBTF
BCORL1	CEBPA	ETNK1	HRAS	KMT2A	NF1	PTEN	SF3B1	STAT5B	WT1
BRAF	CHEK2	ETV6	IDH1	KRAS	NOTCH1	PTPN11	SH2B3	TERT (promoter)	ZRSR2

Genes marked in **blue** indicate full CDS coverage

Simple, Rapid NGS Library Prep Workflow

- Single-tube library prep simplifies assay setup and reduces hands-on time
- Flexible stopping points support efficient sample batching
- Faster turnaround times with sample-to-result in <48 hours

Accurate, Reproducible Results

- Detect variants down to 1% VAF*
- Consistent performance across low-input and degraded DNA samples
- Robust assay design supports reproducible results across runs

Scalable NGS Testing with Intuitive Informatics

- Facilitates an efficient and economic adoption of in-house NGS workflows
- Low read requirements support scalable, high-throughput testing
- Integrated informatics with a user-friendly Graphical User Interface (GUI)
- Streamlined analysis supports a clear path from sample to results

*VAF (variant allele frequency) listed is for select variants.

For research use only. Not for use in diagnostic procedures.

oncoReveal® Myeloid v2 Panel Specifications*

Enrichment chemistry	Multiplex PCR using tiled amplicons
Number of pools	1 pool
Number of genes amplicons	80 874
Total panel size	124.3kb
Variant types	SNVs, indels, ITDs (internal tandem duplications)
Average amplicon size	215bp
Recommended DNA input range	20ng to 60ng
Sample types	DNA from whole blood or PBMCs
Mapping rate	~98.9%
% on-target aligned reads	~87.5%
Coverage uniformity (% targets with >0.2X mean coverage)	~97.4%
Recommended reads per sample	~5.14 million paired-end reads
Total assay time (from DNA to sequencer)	<8.5 hours

*Mapping rate, percentage of on-target aligned reads, and coverage uniformity metrics are averages based on internal testing performed using reference standard materials and analysis using PIVAT®

Ordering information

Select the panel **and** one of the index kit options listed below.

Panel	Part Number
oncoReveal® Myeloid v2 Panel (24 reactions)	HDA-MY-1010-24

Pillar Index Kit Options	Reactions	Part Number
Pillar Biosciences Indexing Kit A	32 Combinations, 96 reactions	IDX-PI-1001-96
Pillar Biosciences Indexing Kit D	96 Combinations, 192 reactions	IDX-PI-1004-192

To order or learn
more, please visit
pillarbiosci.com

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Pillar Biosciences, Inc.
9 Strathmore Rd
Natick, MA 01760
(800) 514-9307

info@pillarbiosci.com