

# Rapid AML Panel

The **oncoReveal® Rapid AML Panel** is a robust NGS assay that interrogates 9 genes of interest most relevant to acute myeloid leukemia (AML). The panel uses proprietary Stem-Loop Inhibition-Mediated amplification (SLIMamp®) technology, a tiled amplicon-based library prep chemistry, designed by Pillar’s AI-empowered VersaTile™ Primer Design tool, for efficient single-tube target enrichment.

## oncoReveal® Rapid AML Panel (9 genes)

CEBPA	IDH2	NPM1
FLT3 (ITD)	KIT	NRAS
IDH1	KRAS	TP53

Genes marked in green indicate full CDS coverage

### 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

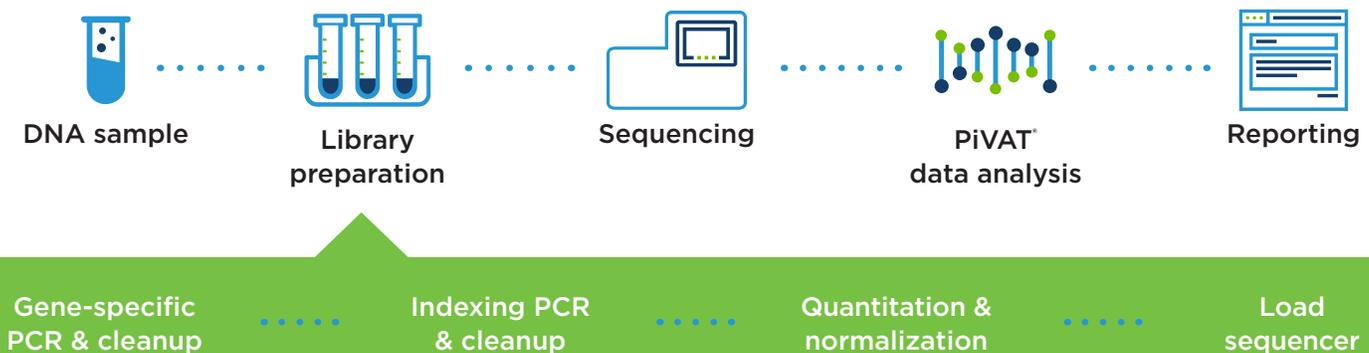
### Sensitive and robust chemistry

Achieve variant detection as low as 2% VAF<sup>†</sup> 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



<sup>†</sup>VAF, variant allele frequency  
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## Panel specifications\*

Enrichment chemistry	Multiplex PCR using tiled amplicons
Number of pools	1 pool
Number of genes/amplicons	9/57
Number of targets	Hotspot coverage in 7 genes, full CDS coverage of TP53 and CEBPA, FLT3 ITDs
Variant types	SNVs, indels, ITD (internal tandem duplicates)
Average amplicon size	214bp
Recommended DNA input range	20ng to 60ng
Sample types	DNA from whole blood, PBMCs, WBCs, or bone marrow
Mapping rate	~99%
% on-target aligned reads	~98%
Coverage uniformity (% targets with >0.2X mean coverage)	~95%
Recommended Reads Per Sample	306,000 paired-end reads
Total assay time (from DNA to sequencer)	<8 hours

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

## Ordering information

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

Panel	Part number
oncoReveal® Rapid AML Panel (24 reactions)	HDA-MY-1007-24

Pillar Index Kit options	Reactions	Part number
Pillar Custom Index Primers Kit A	32 Combinations, 96 reactions	IDX-PI-1001-96
Pillar Custom Index Primers Kit D	96 Combinations, 192 reactions	IDX-PI-1004-192

**TO ORDER OR LEARN MORE:**  
[pillarbiosci.com](http://pillarbiosci.com)

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