



Pillar® ONCO/Reveal™ Lung and Colon Cancer Panel

The ONCO/Reveal Lung and Colon Cancer Panel is a robust NGS assay that interrogates 22 genes of interest* across lung and colon cancer samples. The panel uses proprietary Stem-Loop Inhibition-Mediated amplification (SLIMamp®) technology, a tiled amplicon-based library preparation chemistry for efficient single-tube target enrichment.

ONCO/Reveal Lung and Colon Cancer Panel (22 genes)

AKT1	EGFR	FGFR2	NOTCH1	STK11
ALK	ERBB2	FGFR3	NRAS	TP53
BRAF	ERBB4	KRAS	PIK3CA	
CTNNB1	FBXW7	MAP2K1	PTEN	
DDR2	FGFR1	MET	SMAD4	

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

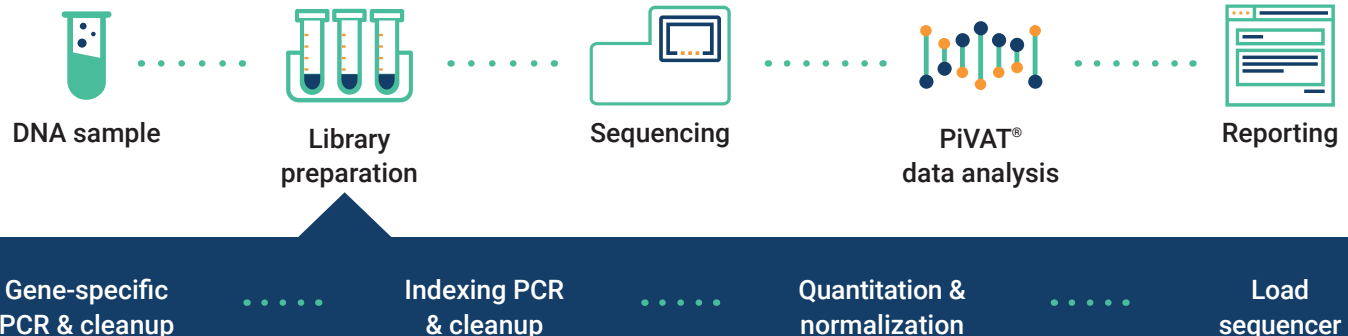
Sensitive and robust chemistry

Achieve variant detection as low as 1% VAF[†] without UID[‡]s 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



*Content is based on data from ongoing clinical trials along with sources that include the College of American Pathologists (CAP), the Association for Molecular Pathology (AMP), the National Comprehensive Cancer Network (NCCN), and the Catalog of Somatic Mutations in Cancer (COSMIC) database.

[†]VAF, variant allele frequency; [‡]UID, unique ID; also known as unique molecular ID (UMI)

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Panel specifications

Enrichment chemistry	Multiplex PCR using tiled amplicons
Number of pools	1 pool
Number of genes/amplicons	22/103
Number of targets	>1,800 hotspots, 11kb total size
Variant types	SNVs, indels
Average amplicon size	147bp
Recommended DNA input range	2.5ng to 80ng
Sample types	DNA from tissue or blood; FFPE
Mapping rate	97.4% ± 2.5%
% on-target aligned reads	96.8% ± 1.3%
Coverage uniformity (% targets with >0.2X mean coverage)	99.8% ± 0.7%
Total assay time (from DNA to sequencer)	<8 hours
Sequencing platforms	Illumina® and MGISEQ™; assay is coming soon for the Ion Torrent™ platform

Ordering information

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

Panel	Part number
ONCO/Reveal Lung and Colon Cancer Panel	HDA-LC-1001-24

TSCA Index Kit options	Part number
TSCA Kit A, indices AI501-8, AI701-4 (32 combinations)	IDX-AI-1001-96
TSCA Kit B, indices AI501-8, AI705-8 (32 combinations)	IDX-AI-1002-96
TSCA Kit C, indices AI501-8, AI709-12 (32 combinations)	IDX-AI-1003-96
TSCA Kit D, indices AI501-8, AI701-12 (96 combinations)	IDX-AI-1004-192
TSCA Kit E, indices AI501-8, AI701-12 (96 combinations)	IDX-AI-1004-384

Order or learn more at
pillar-biosciences.com



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