



## Pillar® ONCO/Reveal™ TP53 Panel

The ONCO/Reveal TP53 Panel covers the entire CDS of the TP53 tumor suppressor gene. The panel uses proprietary Stem-Loop Inhibition-Mediated amplification (SLIMamp®) technology for efficient single-tube target enrichment.

### Panel attributes

Enrichment chemistry	Multiplex PCR using tiled amplicons
<b>Number of pools</b>	<b>1 pool</b>
Number of genes/amplicons	1/19
Number of targets	Full CDS plus 10bp flanking introns; 2.1k total bases covered
Variant types	SNVs, small and medium indels
Average amplicon size	149bp (138bp-180bp range)
Input DNA range	5ng to 50ng
Sample types	DNA from tissue or blood; FFPE
Mapping rate	95.9% ± 2.1%
% on-target aligned reads	94.0% ± 3.3%
Coverage uniformity (% targets with >0.2X mean coverage)	100%
Total assay time (from DNA to sequencer)	<8 hours
Sequencing platforms	Illumina®; assay is coming soon for MGISEQ™ and Ion Torrent™ platforms

### Simple NGS library prep workflow

Maintain control of your 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<sup>†</sup> without UID<sup>‡</sup>s even with limited DNA input or poor sample quality

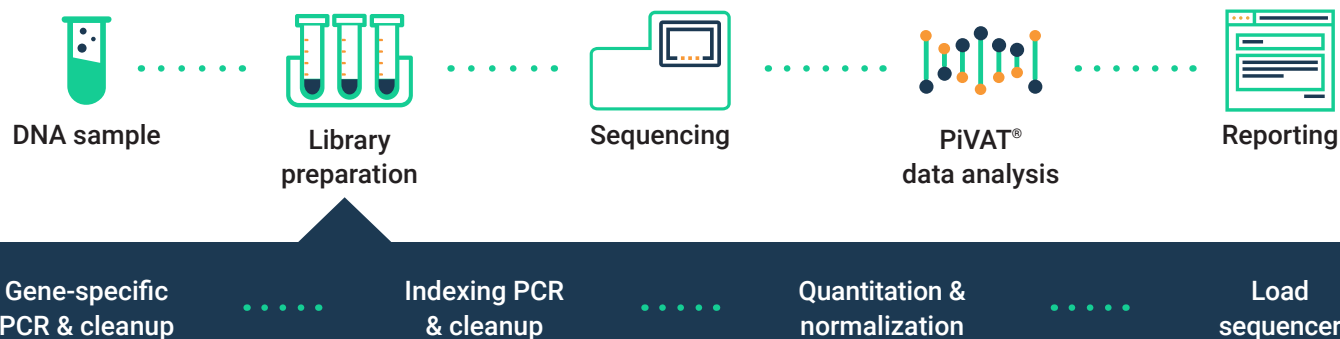
### Reduced fully-loaded costs

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

<sup>†</sup> VAF, variant allele frequency

<sup>‡</sup> UID, unique ID; also known as unique molecular ID (UMI)

## Simple, one-day workflow



## Ordering information

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

Panel	Part number
ONCO/Reveal TP53 Panel	HDA-TP-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](http://pillar-biosciences.com)

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