

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description: Seraseq® Blood TMB Mix Score 26

Material Number: 0710-2090 Batch Number: 10621366

Material Description: Reference standard made from a human lung cancer cell line and its matched “normal” cell line generated from peripheral blood of the same patient. Extracted genomic DNA was blended at 3 tumor fractions (0%, 0.5% and 2%) and fragmented and sized to mimic ctDNA.

Nominal Concentration: 10 ng/μL

Concentration Test Method: Qubit dsDNA BR Assay

Fill Volume: 20 μL

Date of Manufacture: 13 MAY 2022 Expiration Date: 13 MAY 2024

NGS Assay Test Method: 50 ng of each product was used as input in the Illumina TruSight Oncology 500 enrichment kit and sequenced on a Novaseq NGS System (PE100). Each sample was represented by a minimum of 800M paired end reads and 35,000X coverage.

Kit Component	Measured Concentration (ng/μL)	Blood TMB Score	Adjusted ¹ Blood TMB Score
Seraseq Blood TMB Mix Score 26 (0% tumor)	15.6	5.8	N/A
Seraseq Blood TMB Mix Score 26 (0.5% tumor)	16.2	19.0	13.2
Seraseq Blood TMB Mix Score 26 (2% tumor)	14.3	29.4	23.6

¹Score subtracts somatic contributions/Mb of 0% tumor (WT) blend.

Note: TMB variant lists and VCFs available upon request.

Approval:



25 MAY 2022

Prepared By

Date