Revised Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	Seraseq gDNA TMB Mix Score 26

Material Number:	0710-1323	Batch Number:	10772981

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. Genomic DNA was extracted, purified, and characterized for tumor mutational burden.
Fill Volume:	10 µL

Date of Manufacture:	14 AUG 2025	Expiration Date:	14 AUG 2029

Nominal Concentration:	50 ng/µL
Concentration Test Method:	Qubit dsDNA BR Assay
Measured Concentration:	Seraseq gDNA TMB Score 26 (Tumor): 57.1 ng/µL Seraseq gDNA TMB Score 26 (WT): 55.0 ng/µL
Whole Exome Sequencing (WES) Method & Analysis:	- Library preparation - Agilent SureSelectXT Human AllExon V6 + COSMIC (enrichment kit) - Capture Region = 32.4 Mb - DNA input = 1 µg / run - Whole Exome Sequencing - ILMN NovaSeq 6000 - Average read depth ~300x (tumor) and ~100X (normal) - Other relevant QC parameters - TMB Analysis Pipeline metrics and parameters (Based on FoCR TMB algorithm) - TMB variants = missense, nonsense, frameshift, in-frame insertion, in-frame deletion - FILTER=PASS; AF≥0.05; tDP≥25; AO≥3 - Aligner = bwa mem - Mutation Detection = Mutect2 (tumor-normal mode) - Mutation Annotation = SnpEff - Mutation Filtration = SnpSift
TMB Score by WES:	27

Approval:

(signature)	15 JAN 2026
Prepared By	Date

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