

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	SeraSeq® FFPE TMB RM Score 7		
Material Number:	0710-1310	Batch Number:	10788506
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. Cells were mixed at 30% tumor, fixed with 10% formalin, and embedded in paraffin.		
Fill Size:	2x10 µm FFPE curls		
Date of Manufacture:	15 OCT 2025	Expiration Date:	15 OCT 2029
Extraction and Concentration Test Method:	QIAamp DNA FFPE Tissue Kit for extraction and Qubit dsDNA HS Assay for concentration.		
Measured Yield per Curl:	SeraSeq FFPE TMB RM Score 7: 167 ng		
Whole Exome Sequencing (WES) Method & Analysis:	<ul style="list-style-type: none"> Library preparation <ul style="list-style-type: none"> Agilent SureSelectXT Human AllExon V6 + COSMIC (enrichment kit) Capture Region = 32.4 Mb DNA input = 750 ng / run Whole Exome Sequencing <ul style="list-style-type: none"> ILMN NovaSeq 6000 Average read depth ~166X TMB Analysis Pipeline metrics and parameters (Based on FoCR TMB harmonization algorithm¹) <ul style="list-style-type: none"> 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:	6.9		

¹<https://meetinglibrary.asco.org/record/172797/abstract>

Approval:



Prepared By

31 Oct 2025

Date