

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description: Seraseq® Whole Transcriptome RNA Seq Mix

Material Number: 0710-2129 Batch Number: 10771056

Material Description: A multiplexed mixture of biosynthetic RNA fusions blended with total RNA extracted from GM24385 human reference cell line.

Date of Manufacture: 07 AUG 2025 Expiration Date: 07 AUG 2029

Nominal Concentration: 50 ng/μL Fill Volume: 20 μL

Concentration Test Method: ThermoFisher Qubit RNA BR Assay

Measured Concentration: 55.4 ng/μL

RNA Quality Test Method: Agilent Bioanalyzer RNA 6000 Nano Kit Analysis

Average RIN Value: 10

Fusion Detection Test Method: Droplet Digital PCR using TaqMan™ probes run on the BioRad QX200 system
One sample was analyzed with the Trinity Cancer Transcriptome Analysis Toolkit for Fusion and Isoform detection (STAR-Fusion and CTAT-Splicing. Library was prepared using the Illumina Stranded mRNA ligation kit. Sequencing was performed on an Illumina NovaSeqX Plus at 2x151bp PE giving a total of 51M read pairs.)

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RNA Fusion	Digital PCR Average Fusion Concentration (copies/μL)	NGS Direct Support Reads
BCR-ABL1	40009.1	74
CCDC6-RET	26035.6	71
CD74-ROS1	32407.6	51
EML4-ALK	39413.3	80
ETV6-ABL1 (transcript 1)	47687.6	102
ETV6-ABL1 (transcript 2)	28538.7	87
ETV6-NTRK3	41797.8	107
FGFR3-TACC3	32440.1	77
KIF5B-RET	22184.8	115
LMNA-NTRK1 (transcript 1)	24773.9	97
LMNA-NTRK1 (transcript 2)	37434.0	80
MEF2D-CSF1R	27339.8	83
MET ex 14 Skipping	47610.6	125
NACC2-NTRK2	37291.8	75
NCOA4-RET	29985.3	53
PML-RARα	29352.8	12
RUNX1-RUNX1T1	29010.1	77
SLC34A2-ROS1	38030.3	45
SLC45A3-BRAF	26805.6	102
TCF3-PBX1	26966.0	84
TMPRSS2-ERG	41783.6	41
TPM3-NTRK1	43574.0	100

Approval:


Prepared By

13 OCT 2025

Date