

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description: Seraseq® Extracted FFPE RNA Fusion v4 Mix

Material Number: 0710-4214 Batch Number: 10812879

Material Description: RNA purified from Seraseq® FFPE Tumor Fusion RNA v4 RM curls using AutoGen XTRACT 16+ Total RNA FFPE One-Step Kit

Fill Volume: 25 µL

Date of Manufacture: 12 MAY 2026 Expiration Date: 12 MAY 2028

Storage: -70 °C

Concentration (Qubit RNA BR Assay): Nominal value: 15 ng/µL
Average measured value: 19.5 ng/µL

Average RIN and DV200 score (Agilent RNA TapeStation): RIN: 1.4 DV200: 83.7%

Fusion Test Method: Droplet Digital PCR using TaqMan™ probes run on the BioRad QX200 system

Measured / Fusion Concentrations (>50 copies per ng):

RNA Fusion	Average Fusion Concentration (copies/ng)
CCDC6-RET	152.5
CD74-ROS1	384.7
EGFR variant III	380.5
EGFR-SEPT14	114.4
EML4-ALK	142.0
ETV6-NTRK3	315.5
FGFR3-BAIAP2L1	129.6
FGFR3-TACC3	101.7
KIF5B-RET	70.2
LMNA-NTRK1	226.4
MET Exon 14 Skipping	240.6
NCOA4-RET	160.6
PAX8-PPARG1	149.9
SLC34A2-ROS1	291.2
SLC45A3-BRAF	309.3
TFG-NTRK1	193.2
TPRSS2-ERG	388.1
TPM3-NTRK1	90.8

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NGS Fusion Test Method: Archer® FusionPlex® Solid Tumor Assay tested on the ILMN NextSeq 2000 instrument (2 x 150 bp PE kit) using 250 ng of input RNA

NGS Analysis Method: Data analyzed using Archer Analysis Suite Software version v6.2.7 (default settings)

NGS Data:

RNA Fusion	NGS Average Unique Start Sites per Fusion	NGS Average Unique Reads per Fusion*
CCDC6-RET	191	1000
CD74-ROS1	151	2050
EGFR variant III	221	2491
EGFR-SEPT14	289	623
EML4-ALK	202	3115
ETV6-NTRK3	464	5491
FGFR3-BAIAP2L1	130	2756
FGFR3-TACC3	184	3527
KIF5B-RET	226	3269
LMNA-NTRK1	196	3071
MET Exon 14 Skipping	149	515
NCOA4-RET	141	744
PAX8-PPARG1	164	1097
SLC34A2-ROS1	153	1199
SLC45A3-BRAF	77	3239
TFG-NTRK1	120	951
TPRSS2-ERG	165	13127
TPM3-NTRK1	192	1604

*Total number of reads per sample was 17.3 M.

Approval:



17-JUN-2026

Prepared By

Date