

# Certificate of Analysis

For Research Use Only, Not for use in Diagnostic Procedures

Product Description:

Product	Material Number	Batch Number
Seraseq® Fusion RNA Mix v4	0710-0497	10802008
Kit Component		
Vial	0710-0922	10802007

Date of Manufacture: 07 APR 2026      Expiration Date: 28 JUL 2029  
 Nominal Concentration: 25 ng/μL      Volume: 25 μL  
 Concentration Test Method: Thermo Fisher Qubit RNA BR Assay  
 Average Concentration (ng/μL): 30.2 ng/μL  
 Nominal Fusion Concentration: 1500 Fusion copies/μL  
 Fusion Test Method: Droplet Digital PCR using TaqMan™ probes run on the BioRad QX200 system

Measured Fusion Concentrations:

RNA Fusion	Digital PCR Average Fusion copies/μL
CCDC6-RET	1824.3
CD74-ROS1	2019.4
EGFR variant III	2523.7
EGFR-SEPT14	2000.8
EML4-ALK	1335.2
ETV6-NTRK3	3052.3
FGFR3-BAIAP2L1	1384.4
FGFR3-TACC3	2461.4
KIF5B-RET	1000.4
LMNA-NTRK1	2008.7
MET Exon 14 Skipping	2228.9
NCOA4-RET	2096.5
PAX8-PPARG1	2469.3
SLC34A2-ROS1	2225.4
SLC45A3-BRAF	2204.2
TFG-NTRK1	1887.4
TMPRSS2-ERG	2099.3
TPM3-NTRK1	2051.5

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NGS Result: Positive for each of the 18 fusions and exon skipping events  
 NGS Fusion Test Method: Archer® FusionPlex® Solid Tumor Assay run on the Illumina® MiSeq™ instrument (300-cycle Reagent Kit v2, ) at 250 ng RNA input  
 NGS Analysis Method: Data analyzed using Archer Analysis Suite Software version 6.2.7 (default parameters).

NGS Data:

RNA Fusion	NGS Average Unique Start Sites per Fusion	NGS Average Unique Reads per Fusion*
CCDC6-RET	160	801
CD74-ROS1	131	660
EGFR variant III	125	383
EGFR-SEPT14	276	641
EML4-ALK	150	854
ETV6-NTRK3	411	2075
FGFR3-BAIAP2L1	108	741
FGFR3-TACC3	140	724
KIF5B-RET	165	813
LMNA-NTRK1	217	1312
MET Exon 14 Skipping	73	118
NCOA4-RET	108	481
PAX8-PPARG1	127	480
SLC34A2-ROS1	124	404
SLC45A3-BRAF	104	8782
TFG-NTRK1	153	801
TMPRSS2-ERG	80	4467
TPM3-NTRK1	243	1509

\*Total number of reads per sample was 3.3M.

Approval:



08 APR 2026

Prepared By

Date



QA Verified By

08 APR 2026

Date