

Certificate of Analysis

For Research Use Only, Not for use in Diagnostic Procedures

Product Description: Seraseq® FFPE Fusion RNA Reference Material v4
 Material No: 0710-0496 Batch No: 10566485
 Date of Manufacture: 21-JUL-2021 Expiration Date: 25-JUN-2023

Vial Contents: 1x 10 µm FFPE curl
 Concentration test Method: Agencourt Formapure RNA extraction followed by Qubit RNA HS Assay Quantitation
 Average RNA Yield: 1591.9 ng
 Fusion Test Method: Droplet Digital PCR using TaqMan™ probes tested on the BioRad QX200 system.

Measured Fusion Concentrations:

RNA Fusion	Digital PCR Average Fusion copies/ng of total RNA
CCDC6-RET	162.2
CD74-ROS1	534.7
EGFR variant III	309.6
EGFR-SEPT14	141.5
EML4-ALK	132.7
ETV6-NTRK3	241.9
FGFR3-BAIAP2L1	175.7
FGFR3-TACC3	109.8
KIF5B-RET	113.5
LMNA-NTRK1	201.2
MET Exon 14 Skipping	407.7
NCOA4-RET	222.1
PAX8-PPARG1	227.7
SLC34A2-ROS1	413.0
SLC45A3-BRAF	229.0
TFG-NTRK1	206.7
TPRSS2-ERG	492.3
TPM3-NTRK1	147.7

Certificate of Analysis

For Research Use Only, Not for use in Diagnostic Procedures

Product Description: Seraseq® FFPE Fusion RNA Reference Material v4
 Material No: 0710-0496 Batch No: 10566485
 Date of Manufacture: 21-JUL-2021 Expiration Date: 25-JUN-2023

NGS Result: Positive for all 18 fusions and exon skipping events
 NGS Fusion Test Method: Archer® FusionPlex® Solid Tumor Assay tested on the ILMN MiSeq™ instrument (v2, 2 x 150 bp PE kit) using 250 ng of input RNA
 NGS Analysis Method: Data analyzed using Archer Analysis Suite Software version 5.1.7 (default settings)

NGS Data:

RNA Fusion	NGS Average Unique Start Sites per Fusion	NGS Average Unique Reads per Fusion*
CCDC6-RET	116	404
CD74-ROS1	120	908
EGFR variant III	151	836
EGFR-SEPT14	204	367
EML4-ALK	145	1023
ETV6-NTRK3	295	1551
FGFR3-BAIAP2L1	124	1890
FGFR3-TACC3	149	2256
KIF5B-RET	193	1988
LMNA-NTRK1	221	2471
MET Exon 14 Skipping	124	331
NCOA4-RET	118	531
PAX8-PPARG1	137	780
SLC34A2-ROS1	111	557
SLC45A3-BRAF	70	1246
TFG-NTRK1	116	1164
TMPRSS2-ERG	133	7748
TPM3-NTRK1	225	2560

*Total number of reads per sample was 2.0 M.

Approval:

Prepared By



Date

24 JUL 2021

QA Verified By

Date

26 JUL 2021