

# Certificate of Analysis (Revised)

## 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: 10456408  
 Date of Manufacture: 02-DEC-2019 Expiration Date: 06-NOV-2021

Vial Contents: 1x 10 µm FFPE curl  
 Concentration test Method: Agencourt Formapure RNA extraction followed by Qubit RNA HS Assay Quantitation  
 Average RNA Yield: 1655.6 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	133.3
CD74-ROS1	384.7
EGFR variant III	292.7
EGFR-SEPT14	125.3
EML4-ALK	123.7
ETV6-NTRK3	262.7
FGFR3-BAIAP2L1	121.3
FGFR3-TACC3	131.7
KIF5B-RET	99.0
LMNA-NTRK1	208.0
MET Exon 14 Skipping	282.0
NCOA4-RET	175.0
PAX8-PPARG1	174.7
SLC34A2-ROS1	351.0
SLC45A3-BRAF	194.3
TFG-NTRK1	251.7
TMPRSS2-ERG	322.3
TPM3-NTRK1	118.3

# Certificate of Analysis (Revised)

## 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: 10456408  
 Date of Manufacture: 02-DEC-2019 Expiration Date: 06-NOV-2021

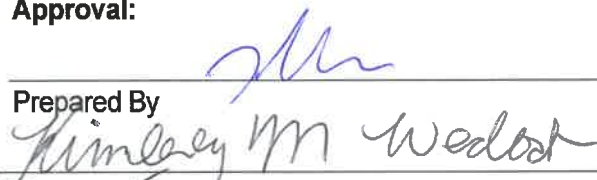
NGS Result: Positive for all 18 fusions and exon skipping events  
 NGS Fusion Test Method: Archer® FusionPlex® Solid Tumor Assay tested on the ILMN MiSeq™ instrument (v2, 2 x 150 bp PE kit) using 250 ng of input RNA  
 NGS Analysis Method: Data analyzed using Archer Analysis Suite Software version (default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

NGS Data:

RNA Fusion	NGS Average Unique Start Sites per Fusion	NGS Average Unique Reads per Fusion*
CCDC6-RET	109	349
CD74-ROS1	97	460
EGFR variant III	128	470
EGFR-SEPT14	220	427
EML4-ALK	132	956
ETV6-NTRK3	242	1355
FGFR3-BAIAP2L1	99	1207
FGFR3-TACC3	150	2267
KIF5B-RET	204	2626
LMNA-NTRK1	203	1584
MET Exon 14 Skipping	109	302
NCOA4-RET	102	366
PAX8-PPARG1	101	447
SLC34A2-ROS1	90	284
SLC45A3-BRAF	63	576
TFG-NTRK1	131	936
TMPRSS2-ERG	82	3157
TPM3-NTRK1	163	1023

\*Total number of reads per sample was 1.7 M.

Approval:

Prepared By  Date 22 April 2020  
 QA Verified By \_\_\_\_\_ Date 22 APR 2020