

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	Seraseq® Sarcoma Plus RNA Fusion Mix		
Material Number:	0710-3809	Batch Number:	10738105
Material Description:	A multiplexed mixture of biosynthetic RNA fusions blended with total RNA extracted from GM24385 human reference cell line.		
Fill Volume:	20 µL		
Date of Manufacture:	10 FEB 2025	Expiration Date:	10 FEB 2029
Storage:	-70°C		
Concentration (Invitrogen™ Qubit™ RNA BR Assay Kit:	Nominal value: 25 ng/µL Average measured value: 30.3 ng/µL		
dPCR Test Method:	Fusion sequence specific reverse transcription TaqMan® assays run on the BioRad QX-200 digital PCR system.		
NGS Assay Test Method:	Archer™ FUSIONPlex™ Pan Solid Tumor v2 panel using 250 ng input RNA.		

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RNA Fusion	Digital PCR Fusion Concentration (Copies/μL)	NGS Average Unique Start Sites per Fusion	Average Unique Reads per Fusion*
EWSR1-ERG	1748	388	1840
KIF5B-ALK	1828	220	3112
CD74-NRG1	1964	113	844
EZR-ROS1	1856	332	3140
PRKAR1A-RET	1592	167	608
STRN-ALK	2848	255	2079
TPM3-ALK	2332	352	2036
AR-V7	1888	152	505
BRD4-NUTM1	1692	338	1652
RANBP2-ALK	1816	255	3419
TPM3-ROS1	2496	328	2295
EWSR1-FLI1	1720	189	1665
EWSR1-ETV1	2476	519	8625
PAX3-FOXO1	1864	303	1158
SDC4-ROS1	2132	116	5590
EWSR1-WT1	1852	171	1186
FGFR1-TACC1	1976	141	1201
FGFR2-CCDC6	1508	93	266
SLC45A3-ERG	2528	44	1797
SND1-BRAF	1816	257	3128
TMPRSS2-ETV1	2724	97	5056
TRIM24-BRAF	2300	294	2710
TRIM24-RET	2128	232	963
EWSR1-ATF1	1752	176	1640
FGFR3-TACC3	1460	230	1787
KIAA1549-BRAF	1728	239	2498
PAX7-FOXO1	1872	114	316
SS18-SSX1	2048	320	2011
SS18-SSX2	2384	570	2711
COL1A1-PDGFB	1860	108	638

*Total number of reads per sample was 18.6 M

Approval:

Sanchita Jamindar

Prepared By

24 FEB 2025

Date