

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description: Seraseq® Myeloid Fusion RNA Mix
 Material Number: 0710-0407 Batch Number: 10742347
 Material Description: Seraseq Myeloid Fusion RNA Mix is a multiplexed mixture of biosynthetic RNA fusions blended with total RNA extracted from GM24385 human reference cell line
 Concentration: 15 ng/μL
 Fill Volume: 25 μL
 Date of Manufacture: 07-APR-2025 Expiration Date: 07-APR-2029
 Test Method: Fusion specific digital PCR (dPCR) testing using BioRad QX200™ Droplet Digital™ PCR System

NGS using ArcherDx FusionPlex Myeloid Kit on ILMN MiSeq NGS System

Gene ID	HGVS	Digital PCR Fusion Copies/μL	FusionPlex Unique Start Sites	FusionPlex Unique Reads
MYST3-CREBBP	MYST3(NM_006766.4):r.1_3803_CREBBP(NM_004380.2):r.290_10197	1459.3	132	312
ETV6-ABL1 (transcript 1)	ETV6(NM_001987.4):r.1_737_ABL1(NM_007313.2):r.576-5881	1178.7	229	835
ETV6-ABL1 (transcript 2)	ETV6(NM_001987.4):r.1_1283_ABL1(NM_007313.2):r.576-5881	NA*	175	468
PCM1-JAK2	PCM1(NM_006197.3):r.1_4365_JAK2(NM_004972.3):r.2008_5285	983.3	35	54
FIP1L1-PDGfra	FIP1L1(NM_030917.3):r.1_1109_PDGfra(NM_006206.5):r.2037_6590	1155.3	190	1980
TCF3-PBX1	TCF3(NM_003200.3):r.1_1519_PBX1(NM_002585.3):r.729_6918	1010.0	81	502
BCR-ABL1	BCR(NM_004327.3):r.1_3378_ABL(NM_005157.3):r.83_5384	1115.3	212	1272
RUNX1-RUNX1T1	RUNX1(NM_001754.4):r.1-803_RUNX1T1(NM_004349.3):r.419-7420	1185.3	151	550
PML-RARα	PML(NM_033238.2):r.1_1786_ins134bp_RARα(NM_000964.3):r.657_3301	952.7	63	118

* dPCR testing performed prior to bulk formulation to verify that ETV6-ABL1 (transcript 2) RNA was present at levels consistent with other biosynthetic fusions.

Approval:



Prepared By

30-APR-2025

Date