

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: 10685007
 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: 13 NOV 2023 Expiration Date: 13 NOV 2025
 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	1416.0	173	370
ETV6-ABL1 (transcript 1)	ETV6{NM_001987.4}:r.1_737_ABL1{NM_007313.2}:r.576-5881	1244.0	307	1302
ETV6-ABL1 (transcript 2)	ETV6{NM_001987.4}:r.1_1283_ABL1{NM_007313.2}:r.576-5881	NA*	275	868
PCM1-JAK2	PCM1{NM_006197.3}:r.1_4365_JAK2{NM_004972.3}:r.2008_5285	1070.0	41	54
FIP1L1-PDGFR A	FIP1L1{NM_030917.3}:r.1_1109_PDGFR A{NM_006206.5}:r.2037_6590	1144.7	225	3399
TCF3-PBX1	TCF3{NM_003200.3}:r.1_1519_PBX1{NM_002585.3}:r.729_6918	1268.7	108	625
BCR-ABL1	BCR{NM_004327.3}:r.1_3378_ABL1{NM_005157.3}:r.83_5384	1079.3	348	2610
RUNX1-RUNX1T1	RUNX1 {NM_001754.4}: r.1-803_RUNX1T1 {NM_004349.3}:r.419-7420	1322.7	336	1860
PML-RARα	PML{NM_033238.2}:r.1_1786_ins134bp_RARA{NM_000964.3}:r.657_3301	1041.3	128	367

* 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:



27 NOV 2023

Prepared By

Date