

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	Seraseq® Myeloid Mutation DNA Mix		
Material Number:	0710-0408	Batch Number:	10497340
Material Description:	A multiplexed mixture of biosynthetic DNA targets with clinically relevant mutations precisely blended with a single, well-characterized genomic background at 15%, 10% or 5% allelic ratio		
Nominal Concentration:	15 ng/μL		
Avg Measured Concentration: (Qubit dsDNA BR kit)	18.6 ng/μL		
Fill Volume:	25 μL		
Date of Manufacture:	29 MAY 2020	Expiration Date:	29 MAY 2022
Test Methods:	Digital PCR (dPCR) using BioRad QX200™ Droplet Digital™ PCR System NGS using ArcherDx VariantPlex® Core Myeloid Kit, on ILMN MiSeq NGS System		

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Gene ID	HGVS	Protein	COSMIC ID	VAF Target (%)	VAF by dPCR (%)	VAF by NGS (%)
CALR	c.1099_1150del	p.L367fs*46	1738055	5	5.5	6.4
CSF3R	c.1853C>T	p.T618I	1737962	5	5.4	6.3
FLT3	c.1759_1800dup	p.N600_L601_insNEYVDFREYEYD	NA	5	5.3	0.3
IDH1	c.394C>T	p.R132C	28747	5	6.0	4.5
JAK2	c.1849G>T	p.V617F	12600	5	5.4	6.1
MPL	c.1544G>T	p.W515L	18918	5	5.7	5.5
NPM1	c.860_863dup	p.W288fs*12	17559	5	4.4	2.6
SF3B1	c.2098A>G	p.K700E	84677	5	4.5	5.0
SF3B1	c.1998G>T	p.K666N	131557	5	4.5	5.5
SRSF2	c.284_307del	p.P95_R102del	146289	5	5.0	8.2
ABL1	c.944C>T	p.T315I	12560	10	10.9	12.2
ASXL1	c.1900_1922del	p.E635fs*15	36165	10	9.4	10.1
ASXL1	c.1934dup	p.G646fs*12	34210	10	8.8	8.9
BRAF	c.1799T>A	p.V600E	476	10	10.0	12.3
CBL	c.1139T>C	p.L380P	34055	10	9.5	10.4
CBL	c.1259G>A	p.R420Q	34077	10	9.5	13.0
FLT3	c.1806_1807insGGGGC TTTCAGAGAATATGAA TATGATCTCAAA)	K602_W603insGAFRE YEYDLK	NA	10	9.0	3.7
FLT3	c.2503G>T	p.D835Y	783	10	10.4	11.6
JAK2	c.1624_1629del	p.N542_E543del	24440	10	12.1	10.6
MYD88	c.794T>C	p.L265P	85940	10	9.9	Not assayed
U2AF1	c.101C>T	p.S34F	166866	10	9.0	9.8
CEBPA	c.68dup	p.H24fs*84	18922	15	NA*	12.0
CEBPA	c.937_939dup	p.K313_V314insK	18099	15	NA*	12.2

*Not assessed by dPCR, but confirmed by NGS (ArcherDx VariantPlex Core Myeloid)

Approval:



Prepared By

Date

01 Jun 2020