Revised Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	Seraseq ctDNA Myeloid Mix, AF 0.1%		
Material Number:	0710-2647	Batch Number:	10640956
Material Description:	A ctDNA-like mixture of human genomic DNA from the reference cell line, GM24385, and synthetic DNA construct		
Fill Volume:	25 µL		
Storage	-20°C		
Date of Manufacture:	28 SEP 2022	Expiration Date:	28 SEP 2026
Concentration: (Qubit dsDNA BR Assay):	Nominal value: 15 ng/µL Average measured value: 23.6ng/µL		
Average fragment size (Agilent Bioanalyzer High Sensitivity DNA Analysis):	191 bp		
Acceptance criteria for average size:	150-220 bp		
dPCR Test Method:	BioRad QX200™ Droplet Digital™ PCR System		
NGS Assay Test Method:	Next Generation Sequencing testing using custom ArcherDx LiquidPlex panel for ctDNA Myeloid Assays sequenced on NextSeq 2000 using P1 reagent Kit (2X 150 bp). 50 ng of ctDNA mix was used as input. The read depth normalization was 100M reads, variant downstream ROI size was 450. The total read pairs for the sample was 10.0M and average read depth was 4380. The average on target reads was 87.7%.		

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Gene ID	HGVS	Protein variant	AF% dPCR	AF% [1]NGS
ABL1	c.944C>T	p.T315I	0.13	0.16
ASXL1	c.1900_1922del	p.E635Rfs*15	0.13	0.13
ASXL1	c.1934dup	p.G646Wfs*12	0.13	0.00
BRAF	c.1799T>A	p.V600E	0.08	0.02
CALR	c.1099_1150del	p.L367Tfs*46	0.13	0.00
CBL	c.1139T>C	p.L380P	0.12	0.16
CBL	c.1259G>A	p.R420Q	0.12	0.10
CEBPA	c.68dup	p.H24Afs*84	0.12	0.28
CEBPA	c.937_939dup	p.K313dup	0.12	0.03
CSF3R	c.1853C>T	p.T618I	0.10	0.07
EZH2	c.1937A>T	p.Y646F	0.13	0.34
FLT3	c.1759_1800dup	p.N587_D600dup	0.13	0.00
FLT3	c.1806_1807insGGGGCTTTCAGAGAA TATGAATATGATCTCAAA	p.K602_W603insGAFR EYEYDLK	0.12	0.20
FLT3	c.2503G>T	p.D835Y	0.11	0.09
IDH1	c.394C>T	p.R132C	0.12	0.08
IDH2	c.419G>A	p.R140Q	0.10	0.17
IDH2	c.515G>A	p.R172K	0.12	0.14
JAK2	c.1624_1629del	p.N542_E543del	0.12	0.08
JAK2	c.1849G>T	p.V617F	0.14	0.16
MPL	c.1544G>T	p.W515L	0.12	0.12
MYD88	c.755T>C	p.L252P	0.14	0.09
NPM1	c.860_863dup	p.W288Cfs*12	0.13	0.07
SF3B1	c.1998G>T	p.K666N	0.13	0.04
SF3B1	c.2098A>G	p.K700E	0.13	0.07
SRSF2	c.284_307del	p.P95_R102del	0.11	0.07

NA = not applicable; NGS assay does not cover specified variant.
ND = not detected; NGS assay did not reveal specified variant above 0.1%.
[1]NGS was performed as an orthogonal verification step. Some variants were not easily detected due to variant complexity and limitations of the assay.

Approval:

Prepared By

16 Apr 2026
Date