

Revised Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	SeraSeq [®] Lymphoma DNA Mutation Mix		
Material Number:	0710-2203	Batch Number:	10561134
Material Description:	A genomic DNA mutation mix of 26 genes typically profiled by targeted NGS assays blended to a background of gDNA extracted from GM24385 (WT) human reference cell line.		
Concentration:	Nominal value: 15 ng/μL Average measured value: 17.6 ng/μL		
Concentration Test Method:	Qubit ds DNA BR Assay		
dPCR Test Method:	Variant and Wild-type specific PCR assays run on the BioRad QX-200 digital PCR system. Values shown in the table represent the variant allele frequency and are the result of triplicate testing. 250 ng of the mix was analyzed in triplicate using a custom ArcherDX VariantPlex panel and default Archer analysis 6.2.2 settings were used for SNV and indel calls. For translocations, allele frequency was calculated by dividing the number of observations of the translocation by the sum of observations of the translocation and the breakpoints of the two normal genes.		
NGS Assay Test Method:			
Fill Volume:	25 μL		
Date of Manufacture:	07 JUL 2021	Expiration Date:	07 JUL 2024
Storage:	-20°C		

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Variant	Variant Type	% Allele Frequency (dPCR)	% Allele Frequency (NGS)
NPM1-ALK	Translocation	7.6	8.2
HSP90AA1-BCL6	Translocation	9.0	11.9
CCND1-CDC42BPB	Translocation	7.6	6.8
BIRC3-MALT1	Translocation	8.1	7.7
MYC-IGH	Translocation	9.5	4.1
TBL1XR1-TP63	Translocation	7.8	11.7

Gene	COSMIC ID	Nucleic Acid change	Amino Acid Change	% Allele Frequency (dPCR)	% Allele Frequency (NGS)
BCL2	COSM5653732	c.302G>C	p.G101A	8.9	8.8
BRAF	COSM476	c.1799T>A	p.V600E	9.3	8.0
CXCR4	COSM5981986	c.1013C>G	p.S338X	7.9	7.0
CXCR4	COSM5981985	c.1013C>A	p.S338X	8.2	7.8
DNMT3A	COSM52944	c.2645G>A	p.R882H	8.2	8.5
EZH2	COSM85769	c.1922A>T	Y641F	8.2	8.9
IDH2	COSM33733	c.515G>A	p.R172K	8.7	8.8
MYD88	COSM85940	c.794T>C	p.L265P	8.4	7.3
NOTCH1	COSM12774	c.7541_7542del	p.P2514Rfs*4	8.1	8.7
NOTCH2	COSM36210	c.7198C>T	p.R2400*	8.6	8.6
RHOA	COSM78415	c.50G>T	p.G17V	7.8	8.8
SF3B1	COSM133591	c.2098A>G	p.K700E	9.0	8.6
STAT3	COSM1155743	c.1919A>T	p.Y640F	8.4	7.7
STAT3	COSM1155730	c.1982A>T	p.D661V	8.2	6.9
STAT3	COSM1155744	c.1940A>T	p.N647I	7.8	6.1
STAT5B	COSM1716592	c.1994A>T	p.Y665F	7.7	7.7
STAT5B	COSM1716590	c.1924A>C	p.N642H	7.7	7.3
TP53	COSM10662	c.743G>A	p.R248Q	8.8	10.3
TP53	COSM43974	c.820del	p.V274Ffs*71	8.9	9.6
TP53	COSM10660	c.818G>A	p.R273H	9.0	8.5

Approval:



22 JUN 2023

Prepared By

Date