

Revised Certificate of Analysis

For Research Use Only
Not for Use in Diagnostic Procedures

Product Description:

Product	Material Number	Batch Number
Seraseq® Tri-Level Tumor Mutation DNA Mix v2, RUO	0710-0097	10663058
Kit Component		
Vial	0710-0089	10656652

Volume: 25 µL Concentration: 25 ng/µL
 Date of Manufacture: 10 FEB 2023 Expiration Date: 10 FEB 2027
 Test Method for Concentration: Qubit dsDNA BR Assay
 Average Concentration (ng/µL): 27.6 ng/µL
 Test Method for Variant Allele Frequency (VAF): In house validated, allele specific, digital PCR (dPCR) assays and Ampliseq Cancer HotSpot v2, Illumina (NGS)

4% Tier		
Mutation	dPCR VAF	NGS VAF
BRAF COSM476	4.4	3.1
EGFR COSM12378	3.1	2.1
EGFR COSM6225	3.3	2.2
EGFR COSM6240	3.1	2.1
FGFR3 COSM715	3.5	1.8
FLT3 COSM783	3.6	3.2
FOXL2 COSM33661	4.1	N/A
IDH1 COSM28747	3.6	2.5
PDGFRA COSM28053	3.0	2.3
PIK3CA COSM775	3.8	2.9
PIK3CA COSM12464	3.4	2.8
RET COSM965	3.6	2.4
TP53 COSM18610	3.5	2.2

7% Tier		
Mutation	dPCR VAF	NGS VAF
CTNNB COSM5664	6.9	5.4
EGFR COSM6224	7.1	4.6
GNAS COSM27887	6.7	4.8
JAK2 COSM12600	8.0	5.3
KRAS COSM521	7.3	5.4
NPM1 COSM17559	5.6	3.9
NRAS COSM584	6.8	4.8
PTEN COSM4986	6.2	4.0
PTEN COSM5809	6.2	4.4
TP53 COSM10648	7.2	5.2
TP53 COSM6530	6.8	4.8
TP53 COSM10662	7.2	4.9
TP53 COSM10660	7.3	4.3

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10% Tier		
Mutation	dPCR VAF	NGS VAF
AKT1 COSM33765	9.4	10.4
APC COSM13127	9.3	11.1
APC COSM18561	9.1	10.5
ATM COSM21924	9.1	10.4
ERBB2 COSM682	8.1	8.4
GNA11 COSM52969	8.8	10.3
GNAQ COSM28758	9.4	11.3
KIT COSM1314	9.8	11.3
MPL COSM18918	11.5	11.9
NCOA4-RET	10.0	N/A
PDGFRA COSM736	9.9	11.6
PIK3CA COSM763	8.9	10.1
SMAD4 COSM14105	9.8	11.5
TPR-ALK	9.5	N/A

Approval:

Prepared By

21 OCT 2024

Date

QA Verified By

22 OCT 2024

Date