

REVISED - Certificate of Analysis

For Research Use Only
Not for Use in Diagnostic Procedures

Product Description:

Product	Material Number	Batch Number
Seraseq® Tumor Mutation DNA Mix v2 AF10, RUO	0710-0094	10610238
Kit Component		
Vial	0710-0088	10602308

Volume: 25 µL Concentration: 25 ng/µL
 Date of Manufacture: 19 JAN 2022 Expiration Date: 19 JAN 2026
 Test Method for Concentration: Qubit dsDNA BR Assay
 Average Concentration (ng/µL): 25.1 ng/µL
 Test Method for Variant Allele Frequency (VAF): In house validated, allele specific, digital PCR (dPCR) assays and Ion AmpliSeq™ Cancer Hotspot Panel v2

Mutation	dPCR VAF	NGS VAF
AKT1 COSM33765	9.5	10.5
APC COSM13127	9.8	9.1
APC COSM18561	8.5	11.7
ATM COSM21924	10.5	9.5
BRAF COSM476	9.6	10.1
CTNNB COSM5664	10.3	9.4
EGFR COSM6224	9.9	8.8
EGFR COSM6225	9.4	9.5
EGFR COSM6240	9.4	8.5
EGFR COSM12378	9.4	8.7
ERBB2 COSM682	8.5	9.4
FGFR3 COSM715	10.2	7.8
FLT3 COSM783	9.5	9.6
FOXL2 COSM33661	10.0	Not assayed
GNA11 COSM52969	9.2	9.9
GNAQ COSM28758	9.5	9.6
GNAS COSM27887	8.6	8.0
IDH1 COSM28747	9.0	8.6
JAK2 COSM12600	9.6	10.0
KIT COSM1314	8.9	8.9

Mutation	dPCR VAF	NGS VAF
KRAS COSM521	8.8	9.2
MPL COSM18918	9.6	10.5
NPM1 COSM17559	9.2	9.6
NRAS COSM584	9.2	9.4
PDGFRA COSM736	9.4	10.4
PDGFRA COSM28053	9.6	8.9
PIK3CA COSM763	8.5	9.3
PIK3CA COSM775	10.1	11.0
PIK3CA COSM12464	10.2	9.4
PTEN COSM4986	9.4	9.4
PTEN COSM5809	9.4	9.4
RET COSM965	10.5	10.3
SMAD4 COSM14105	10.5	10.9
TP53 COSM6530	9.1	9.6
TP53 COSM10660	9.7	9.4
TP53 COSM10662	8.9	9.7
TP53 COSM10648	9.2	9.5
TP53 COSM18610	Not assayed	14.4
NCOA4-RET	11.0	Not assayed
TPR-ALK	10.1	Not assayed

Approval:

M H - C 06 MAR 2024
 Prepared By _____ Date
Kimberly M. Walker 07 MAR 2024
 QA Verified By _____ Date