

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	10807636
Kit Component		
Vial	0710-0088	10742363

Volume: 25 µL Concentration: 25 ng/µL
Date of Manufacture: 02 MAR 2026 Expiration Date: 03 APR 2029

Test Method for Concentration: Qubit dsDNA BR Assay

Average Concentration (ng/µL): 23.6

Test Method for Variant Allele Frequency (VAF): In house validated, allele specific, digital PCR (dPCR) assays and Illumina Ampliseq Cancer HotSpot v2

Mutation	Nucleotide Change	Protein Change	dPCR VAF	NGS VAF
AKT1	c.49G>A	p.E17K	8.9	6.8
APC	c.4348C>T	p.R1450*	9.0	10.3
APC	c.4666dup	p.T1556Nfs*3	8.5	9.8
ATM	c.1058_1059del	p.C353Sfs*5	9.6	12.2
BRAF	c.1799T>A	p.V600E	9.0	11.9
CTNNB1	c.121A>G	p.T41A	9.9	12.3
EGFR	c.2236_2250del	p.E746_A750del	9.2	11.8
EGFR	c.2310_2311insGGT	p.D770_N771insG	9.2	11.9
EGFR	c.2369C>T	p.T790M	9.2	12.0
EGFR	c.2573T>G	p.L858R	9.2	11.3
ERBB2	c.2313_2324dup	p.Y772_A775dup	8.6	11.1
FGFR3	c.746C>G	p.S249C	10.1	7.5
FLT3	c.2503G>T	p.D835Y	9.2	11.2
FOXL2	c.402C>G	p.C134W	10.3	N/A
GNA11	c.626A>T	p.Q209L	8.8	11.7
GNAQ	c.626A>C	p.Q209P	8.9	11.0
GNAS	c.601C>T	p.R201C	8.9	9.1
IDH1	c.394C>T	p.R132C	8.6	11.2
JAK2	c.1849G>T	p.V617F	8.6	10.7
KIT	c.2447A>T	p.D816V	8.5	8.9
KRAS	c.35G>A	p.G12D	8.3	10.1

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Mutation	Nucleotide Change	Protein Change	dPCR VAF	NGS VAF
MPL	c.1544G>T	p.W515L	9.9	7.5
NPM1	c.860_863dup	p.W288Cfs*12	8.4	9.1
NRAS	c.182A>G	p.Q61R	9.5	11.9
PDGFRA	c.1694_1695insA	p.S566Qfs*6	8.9	10.0
PDGFRA	c.2525A>T	p.D842V	8.8	10.5
PIK3CA	c.1633G>A	p.E545K	8.5	10.0
PIK3CA	c.3140A>G	p.H1047R	9.5	9.9
PIK3CA	c.3204_3205insA	p.*1069Mext*3	9.4	11.9
PTEN	c.741dup	p.P248Tfs*5	8.3	14.0
PTEN	c.800del	p.K267Rfs*9	8.3	14.3
RET	c.2753T>C	p.M918T	9.4	12.2
SMAD4	c.1394dup	p.A466Gfs*28	10.1	12.5
TP53	c.267del	p.S90Pfs*33	14.7	16.8
TP53	c.524G>A	p.R175H	8.8	10.9
TP53	c.723del	p.C242Afs*5	8.4	9.6
TP53	c.743G>A	p.R248Q	9.0	9.9
TP53	c.818G>A	p.R273H	8.9	14.1
NCOA4-RET	N/A	Translocation	9.6	N/A
TPR-ALK	N/A	Translocation	9.6	N/A

Approval:

Prepared By

Date

QA Verified By

Date

Quinn Salvo

March 12 2026

[Signature]

13 MAR 2026