

Certificate of Analysis

For Research Use Only
Not for Use in Diagnostic Procedures

Product Description: Seraseq™ Tri-Level Tumor Mutation DNA Mix v2, RUO
 Material Number: 0710-0097 Batch Number: 10621387
 Volume: 25 µL Concentration: 25 ng/µL
 Date of Manufacture: 06-APR-2022 Expiration Date: 06-APR-2024

Test Method for Concentration: Qubit dsDNA BR Assay
 Average Concentration (ng/µL): 23.3 ng/µL
 Test Method for Variant Allele Frequency: In house validated, allele specific, digital PCR assays

| 4% Tier | |
|------------------|----------------------------|
| Mutation | Avg. dPCR Allele Frequency |
| BRAF COSM476 | 4.5 |
| EGFR COSM12378 | 3.3 |
| EGFR COSM6225 | 3.5 |
| EGFR COSM6240 | 3.3 |
| FGFR3 COSM715 | 3.7 |
| FLT3 COSM783 | 3.9 |
| FOXL2 COSM33661 | 4.5 |
| IDH1 COSM28747 | 4.0 |
| PDGFRA COSM28053 | 3.1 |
| PIK3CA COSM775 | 4.0 |
| PIK3CA COSM12464 | 3.8 |
| RET COSM965 | 3.8 |
| TP53 COSM18610 | Not Assayed |

| 10% Tier | |
|-----------------|-------------------------------|
| Mutation | Average dPCR Allele Frequency |
| AKT1 COSM33765 | 9.6 |
| APC COSM13127 | 10.6 |
| APC COSM18561 | 10.1 |
| ATM COSM21924 | 9.6 |
| ERBB2 COSM682 | 8.1 |
| GNA11 COSM52969 | 9.4 |
| GNAQ COSM28758 | 10.3 |
| KIT COSM1314 | 10.4 |
| MPL COSM18918 | 11.7 |
| NCOA4-RET | 10.7 |
| PDGFRA COSM736 | 10.9 |
| PIK3CA COSM763 | 9.7 |
| SMAD4 COSM14105 | 10.3 |
| TPR-ALK | 10.7 |

| 7% Tier | |
|----------------|-------------------------------|
| Mutation | Average dPCR Allele Frequency |
| CTNNB COSM5664 | 7.4 |
| EGFR COSM6224 | 7.3 |
| GNAS COSM27887 | 6.8 |
| JAK2 COSM12600 | 8.4 |
| KRAS COSM521 | 7.7 |
| NPM1 COSM17559 | 6.1 |
| NRAS COSM584 | 7.3 |
| PTEN COSM4986 | 7.0 |
| PTEN COSM5809 | 7.0 |
| TP53 COSM10648 | 7.2 |
| TP53 COSM6530 | 6.8 |
| TP53 COSM10662 | 7.3 |
| TP53 COSM10660 | 7.1 |

Approval:

Prepared By




QA Verified By

Date

16-MAY-2022

05/16/2022

Date