

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 No: 0710-0097 Batch No: 10321209
 Volume: 25 µL Concentration: 25 ng/µL
 Date of Manufacture: 30-JAN-2018 Expiration Date: 30-JAN-2020
 Test Method: In house validated, allele specific, digital PCR assays

Mutation	Average dPCR Allele Frequency
BRAF COSM476	4
EGFR COSM12378	4
EGFR COSM6225	4
EGFR COSM6240	4
FGFR3 COSM715	4
FLT3 COSM783	3
FOXL2 COSM33661	5
IDH1 COSM28747	4
PDGFRA COSM28053	4
PIK3CA COSM775	3
PIK3CA COSM12464	4
RET COSM965	4
TP53 COSM18610	Not Assayed

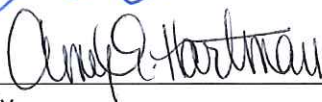
Mutation	Average dPCR Allele Frequency
AKT1 COSM33765	11
APC COSM13127	9
APC COSM18561	8
ATM COSM21924	12
ERBB2 COSM682	9
GNA11 COSM52969	10
GNAQ COSM28758	8
KIT COSM1314	11
MPL COSM18918	10
NCOA4-RET	9
PDGFRA COSM736	11
PIK3CA COSM763	9
SMAD4 COSM14105	9
TPR-ALK	12

Mutation	Average dPCR Allele Frequency
CTNNB COSM5664	7
EGFR COSM6224	9
GNAS COSM27887	7
JAK2 COSM12600	7
KRAS COSM521	7
NPM1 COSM17559	6
NRAS COSM584	8
PTEN COSM4986	6
PTEN COSM5809	6
TP53 COSM10648	8
TP53 COSM6530	7
TP53 COSM10662	7
TP53 COSM10660	7

Approval:



Prepared By



Date

09 Mar 2018

3/9/18

QA Verified By

Date