

Technical Product Report

For Research Use Only, Not for use in Diagnostic Procedures

Product Name: Seraseq Solid Tumor Mutation Mix-II (AF10) LC

Material No: 0710-0074 Batch No: 10186672

Material Description: The Seraseq Solid Tumor Mutation Mix-II is a multiplexed mixture of actionable biosynthetic DNA targets precisely blended with a single, well-characterized genomic background, offered at 10% allelic ratio.

Date of Manufacture: 29-Mar-16 Expiration Date: 29-Mar-19

Test Method: Allele specific digital PCR

#	Gene	Mutation (COSMIC ID)	Variant Allele Frequency by dPCR
1	MPL	COSM 18918	11.13
2	NRAS	COSM 584	11.13
3	IDH1	COSM 28747	10.53
4	CTNNB	COSM 5664	10.80
5	FOXL2	COSM 33661	11.70
6	PIK3CA	COSM 763	10.25
7	PIK3CA	COSM 775	10.53
8	PIK3CA	COSM 12464	9.73
9	FGFR3	COSM 715	9.93
10	PDGFRA	COSM 28053	11.70
11	PDGFRA	COSM 736	11.00
12	KIT	COSM 1314	10.87
13	APC	COSM 13127	10.05
14	APC	COSM 18561	10.05
15	NPM1	COSM 17559	9.10
16	EGFR	COSM 6225	10.80
17	EGFR	COSM 12378	11.25
18	EGFR	COSM 6240	11.25
19	EGFR	COSM 6224	11.90
20	BRAF	COSM 476	10.80
21	JAK2	COSM 12600	10.48
22	GNAQ	COSM 28758	10.90
23	RET	COSM 965	10.93

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#	Gene	Mutation (COSMIC ID)	Variant Allele Frequency by dPCR
24	PTEN	COSM 5809/30622	9.45
25	PTEN	COSM 4986	9.45
26	ATM	COSM 21924	10.23
27	KRAS	COSM 521	9.76
28	FLT3	COSM 783	10.65
29	AKT1	COSM 33765	10.45
30	TP53	COSM 10660	10.80
31	TP53	COSM 10662	10.80
32	TP53	COSM 6530	10.80
33	TP53	COSM 10648	10.35
34	TP53	COSM 18610	Not tested
35	ERBB2	COSM 682/20959	9.31
36	SMAD4	COSM 14105	11.35
37	GNA11	COSM 52969	11.15
38	GNAS	COSM 27887	10.87
39	NCOA4_RET	NA- Structural variant	10.50
40	TPR_ALK	NA- Structural variant	10.43

Approval:

Catherine Huang
Prepared By

27 APR 2018

Date