

Technical Product Report

For Research Use Only, Not for use in Diagnostic Procedures

Product Name: Seraseq Solid Tumor Mutation Mix-II (AF7) LC

Material No: 0710-0072 Batch No: 10186670

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 7% 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	7.18
2	NRAS	COSM 584	7.70
3	IDH1	COSM 28747	6.83
4	CTNNB	COSM 5664	7.30
5	FOXL2	COSM 33661	7.93
6	PIK3CA	COSM 763	6.63
7	PIK3CA	COSM 775	7.13
8	PIK3CA	COSM 12464	6.51
9	FGFR3	COSM 715	6.75
10	PDGFRA	COSM 28053	7.40
11	PDGFRA	COSM 736	7.13
12	KIT	COSM 1314	6.90
13	APC	COSM 13127	6.82
14	APC	COSM 18561	6.82
15	NPM1	COSM 17559	6.05
16	EGFR	EGFR_6225	7.76
17	EGFR	COSM 12378	7.39
18	EGFR	COSM 6240	7.39
19	EGFR	COSM 6224	7.84
20	BRAF	COSM 476	6.94
21	JAK2	COSM 12600	6.97
22	GNAQ	COSM 28758	7.56
23	RET	COSM 965	7.77

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#	Gene	Mutation (COSMIC ID)	Variant Allele Frequency by dPCR
24	PTEN	COSM 5809/30622	6.38
25	PTEN	COSM 4986	6.38
26	ATM	COSM 21924	7.39
27	KRAS	COSM 521	6.35
28	FLT3	COSM 783	7.38
29	AKT1	COSM 33765	6.82
30	TP53	COSM 10660	7.30
31	TP53	COSM 10662	7.30
32	TP53	COSM 6530	7.30
33	TP53	COSM 10648	7.34
34	TP53	COSM 18610	Not Tested
35	ERBB2	COSM 682/20959	6.41
36	SMAD4	COSM 14105	7.21
37	GNA11	COSM 52969	7.45
38	GNAS	COSM 27887	7.34
39	NCOA4_RET	NA- Structural variant	6.88
40	TPR_ALK	NA- Structural variant	6.94

Approval:

Catherine Huang
Prepared By

04 May 18
Date