Panel-Ref® gDNA Cocktail VIII Reference Standard

CBP90020

I. Description

Panel-Ref® gDNA Cocktail VIII Reference Standard includes important sites of common genes, involving 13 gene sites such as EGFR/ERBB2/KRAS/NRAS/AKT1/BRCA2/KIF5B-RET/BCR-ABL1/MDM2 CNV/CDK6 CNV, covering multiple variation types of SNP Ins Translocation CNV, with a variation frequency of 5%, CN=5, and dPCR calibration.

II. General information

Name	Panel-Ref® gDNA Cocktail VIII Reference Standard
Cat. No.	CBP90020
Format	Genomic DNA
Size	1ug/vial * 1 vial
Intended Use	Research Use Only
Buffer	Tris-EDTA
Storage Conditions	2-8℃
Expiry	36 months from the date of manufacture

III.Technical Data

Gene	AA change	CDS Change	Cosmic ID	Expected AF	AF	Chr position (GRCh37)
EGFR	E709A	c.2126A>C	COSM13427	5.00%	5.63%	chr7:55241678
EGFR	L747_A750>P	c.2239_2248insTTAAGAGAAG>C	N/A	5.00%	4.83%	N/A
EGFR	C797S	c.2389T>A	COSM6493937	5.00%	5.82%	chr7:55249091
ERBB2	G776>VC	c.2326_2327insTGT	N/A	5.00%	4.86%	chr17:37880997_37880998
KRAS	Q61R	c.182A>G	COSM552	5.00%	4.37%	chr12:25380276
KRAS	G13D	c.38G>A	COSM532	5.00%	5.28%	chr12:25398281
NRAS	Q61R	c.182A>G	COSM584	5.00%	5.65%	chr1:115256529
AKT1	E17K	c.49G>A	COSM33765	5.00%	4.38%	chr14:105246551
BRCA2	p.I2675Dfs*6	N/A	N/A	5.00%	4.25%	N/A
RET	KIF5B-RET	N/A	N/A	5.00%	4.48%	N/A
ABL1	BCR-ABL1	N/A	N/A	5.00%	5.89%	N/A
MDM2	CNV	N/A	N/A	CN=5	CN=4.63	N/A
CDK6	CNV	N/A	N/A	CN=5	CN=4.47	N/A