



Panel-Ref® gDNA Cocktail II Reference Standard

CBP90009

I. Description

gDNA Cocktail II Reference Standard includes important sites of common genes, involving 12 gene sites such as EGFR/KRAS/ERBB2/NRAS/TPM3-NTRK1/BCR-ABL1/FGFR2 CNV/MYC CNV, covering multiple variation types such as SNP Ins Del Translocation CNV, with a variation frequency of 5%, a copy number of 12, and dPCR calibration.

II. General information

Name	Panel-Ref® gDNA Cocktail II Reference Standard
Cat. No.	CBP90009
Format	Genomic DNA
Size	1ug/vial * 1 vial
Intended Use	Research Use Only
Buffer	Tris-EDTA
Storage Conditions	2-8°C
Expiry	36 months from the date of manufacture

III. Technical Data

Gene	AA change	CDS Change	Cosmic ID	Expected AF	AF	Chr position (GR Ch37)
EGF	p.G719A	c.2156G>C	COSM62	5.00%	4.53%	chr7:55241708

R				39		
EGF R	p.L747_P753>S	c.2240_2257del	COSM12 370	5.00%	5.59%	chr7:55242470_55 242487
EGF R	p.V769_D770ins ASV	c.2307_2308insGCCA GCGTG	COSM12 376	5.00%	5.27%	chr7:55249010_55 249011
KRAS S	p.G12C	c.34G>T	COSM51 6	5.00%	4.53%	chr12:25398285
KRAS S	p.Q61H	c.183A>T	COSM55 5	5.00%	5.68%	chr12:25380275
KRAS S	p.A146T	c.436G>A	COSM19 404	5.00%	5.54%	chr12:25378562
ERBB2 B2	p.V777L	c.2329G>T	COSM14 062	5.00%	4.40%	chr17:37881000
NRAS S	p.G12C	c.34G>T	COSM56 2	5.00%	5.33%	chr1:115258748
NTRK1 K1	TPM3(E7)-NTRK1(E10)	N/A	N/A	8.00%	8.58%	N/A
ABL1 1	BCR(E13)-ABL1(E2)	N/A	N/A	5.00%	4.58%	N/A
FGFR2 R2	CNV	N/A	N/A	12	CN=12 .68	N/A
MYC	CNV	N/A	N/A	12	CN=13 .50	N/A