



Panel-Ref® gDNA Cocktail IV Reference Standard

CBP90011

I. Description

Panel-Ref® gDNA Cocktail IV Reference Standard includes important sites of common genes, involving 12 sites of genes such as EGFR/BRAF/KRAS/PIK3CA/NRAS/BRCA2/SLC34A2-ROS1/EML4-ALK/CCDC6-RET/MET Exon 14 Skippig/ERBB2 CNV/MYC CNV, covering multiple variation types such as SNP Del Translocation CNV, with a variation frequency of 5%, MSI-H, and dPCR calibration.

II. General information

Name	Panel-Ref® gDNA Cocktail IV Reference Standard
Cat. No.	CBP90011
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	Exon	Cosmic ID	Expect ed AF)	Chr position (GRCh37
EGFR	p.G719S	c.2155G>A	18	COSM6252	5%	chr7:55241707
BRAF	p.V600K	c.1798_1799GT>AA	15	COSV56057713	5%	chr7:140453136_140453137
PIK3CA	p.H1047R	c.3140A>G	20	COSM775	5%	chr3:178952085
KRAS	p.G13D	c.38G>A	2	COSM532	5%	chr12:25398281
NRAS	p.G12D	c.35G>A	2	COSM564	5%	chr1:115258747
BRCA2	p.I2675Dfs*6	c.8021dup	18	COSM2071519	5%	chr13:32937360
SLC34A2-R OS1	E4-E32	DNA Translocation	N/A	COSF1197	5%	N/A
EML4-ALK	E6-A20	DNA Translocation	N/A	COSF408	5%	N/A
CCDC6-RET	E1-E12	DNA Translocation	N/A	COSF1271	5%	N/A
MET	Exon 14 Skippig	c.3082+1G>T	N/A	COSM6108462	5%	chr7:116412044
ERBB2	CNV	Amplification	N/A	N/A	CN=6	N/A
MYC	CNV	Amplification	N/A	N/A	CN=7	N/A

IV.MSI Inspection Data

CBP90011 MSI-H						
Marker	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6
NR21	122.49	131.52				
Bat26	164.07	175.25				
PentaC	208.81	219.19	224.43	229.56	234.78	240.00
Bat25	112.18	117.81				
NR27	141.74	146.23	155.21			
PentaD	177.24	181.77	186.46	196.15		
Amel	106.82	112.37				
NR24	123.14	131.05				
Mono27	163.28	170.04				