

CERTIFICATE OF ANALYSIS

Product information

Name	Panel-Ref® gDNA Cocktail IV Reference Standard				
Catalog No.	CBP90011				
Lot No.	CBFA23040501				
Format	Genomic DNA				
Buffer	Tris-EDTA				
Storage Conditions	4°C				
Date of Manufacture	2023/04/05				
Expiry	36 months from the date of manufacture				

Quality Control

Test Items	Standard	Results							Passed
Quantity	1.00 μg/vial*2 vials	1.00 μg/vial*2 vials							
Concentration	40.00 ng/uL±10%		40.40 ng/uL by Qubit 3.0 detection						
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.90 by N							
DNA electrophoresis	No Degradation	Ikb ladder	Ref®	gDNA		ail IV .	Refere	nce	V
		MCLUP		dataa	ion				
		MSI-H by PCR detection							
				1	P90011 MSI-H				
		Marker NR21	Size 1 122.49	Size 2 131.52	Size 3	Size 4	Size 5	Size 6	
MSS/MSI status	MSI-H	Bat26	164.07	175.25					· ,
		PentaC	208.81	219.19	224.43	229.56	234.78	240.00	\vee
		Bat25	112.18	117.81					
		NR27 PentaD	141.74 177.24	146.23 181.77	155.21 186.46	196.15			
		Amel	106.82	181.77	160.40	190.13			
		NR24	123.14	131.05					
		Mono27	163.28	170.04					

Gene	AA Change	CDS Change	Expected %AF	Measured %AF
EGFR	p.G719S	c.2155G>A	5%	4.66%
BRAF	p.V600K	c.1798_1799GT>AA	5%	4.49%

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PIK3CA	p.H1047R	c.3140A>G	5%	5.09%
KRAS	p.G13D	c.38G>A	5%	5.98%
NRAS	p.G12D	c.35G>A	5%	4.37%
BRCA2	p.I2675Dfs*6	c.8021dup	5%	5.86%
SLC34A2-ROS1	E4-E32	DNA Translocation	5%	4.65%
EML4-ALK	E6-A20	DNA Translocation	5%	5.67%
CCDC6-RET	E1-E12	DNA Translocation	5%	5.48%
MET	Exon 14 Skippig	c.3082+1G>T	5%	5.09%
ERBB2	CNV	Amplication	CN=6	CN=5.23
MYC	CNV	Amplication	CN=7	CN=6.12

DdPCR Acceptance criteria

Expected value	Acceptance criteria	Expected value	Acceptance criteria
0%	≤0.1%	<5 copies	Expected value $\pm 30\%$
<1%	Expected value $\pm 50\%$	\geq 5 and <10 copies	Expected value $\pm 20\%$
$\geq 1\%$ and $<5\%$	Expected value $\pm 30\%$	≥ 10 copies	Expected value $\pm 15\%$
\geq 5% and <10%	Expected value $\pm 20\%$		
≥10%	Expected value ± 10%		

Caution:

For research use only.

If you have any questions about the Certificate of Analysis, please contact us.

Certified by: 风桥 Date:**** 項項公 Date:***

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