

CERTIFICATE OF ANALYSIS

General information

Name	Panel-Ref® RNA-Fusion Cocktail FFPE Control
Catalog No.	CBP90037
Lot No.	CGD2022092701
Format	RNA (FFPE extraction)
Buffer	RNase-free H2O
Storage Conditions	-80°C
Date of Manufacture	Sep.-27-2022
Expiry	12 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	0.50 µg/vial*1 vial	0.50 µg/vial*1 vial	√
Concentration	60 ng/uL±10%	60 ng/uL	√
OD ₂₆₀ /OD ₂₈₀	1.8~2.2	1.94	√
DV200	>65%	86.7% by Qsep1 detection	√
Copy Number	Positive	3-1000 copies/ng by DdPCR detection	√

Left Gene	Exon	Right Gene	Exon	Cosmic ID	Left Breakpoint	Right Breakpoint	Copies/ng
EML4	13	ALK	20	COSF408	chr2:42522656:+	chr2:29446394:-	32.12
EML4	6	ALK	20	COSF474	chr2:42492091:+	chr2:29446394:-	20.13
EML4	20	ALK	20	COSF409	chr2:42552694:+	chr2:29446394:-	233.19
KIF5B	15	RET	12	COSF1232	chr10:32317356+	chr10:43612032:+	364.23
NCOA4	8	RET	12	COSF1491	chr10:51582939:+	chr10:43612032:+	886.23
CCDC6	1	RET	12	COSF1271	chr10:61665880:-	chr10:43612032:+	309.15
SLC34A2	4	ROS1	32	COSF1196	chr4:25665952:+	chr6:117650609:-	10.42
CD74	6	ROS1	34	COSF1200	chr5:149784243:-	chr6:117645578:-	503.42
EZR	10	ROS1	34	COSF1267	chr6:159191796:-	chr6:117645578:-	463.15
TPM3	7	NTRK1	10	COSF1329	chr1:154142876:-	chr1:156844363:+	436.27
LMNA	5	NTRK1	11	N/A	chr1:156100564:+	chr1:156844698:+	932.44
QKI	6	NTRK2	16	COSF1446	chr6:163984751:+	chr9:87482158:+	169.38
NACC2	4	NTRK2	11	N/A	chr9:138905045:-	chr9:87359888:+	203.78
ETV6	5	NTRK3	15	COSF571	chr12:12022903:+	chr15:88483984:-	236.26
BTBD1	4	NTRK3	14	N/A	chr15:83710480:-	chr15:88576276:-	193.03
MET	13	MET	15	N/A	chr7:116411708:+	chr7:116414935:+	77.79
KIAA1549	16	BRAF	9	COSF481	chr7:138545885:-	chr7:140487384:-	164.03
FGFR2	17	BICC1	3	N/A	chr10:121483698:-	chr10:60461834:+	113.12
FGFR2	17	AHCYL1	2	N/A	chr10:121483698:-	chr1:110551656:+	236.27
FGFR3	17	TACC3	10	N/A	chr4:1808661:+	chr4:1739325:+	8.22
BCR	14	ABL1	2	N/A	chr22:23632600:+	chr9:133729451:+	100.12
EGFR	1	EGFR	8	N/A	chr7:55087058:+	chr7:55223523:+	99.26

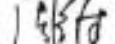
DdPCR Acceptance criteria

Expected value	Acceptance criteria	Expected value	Acceptance criteria
0%	≤0.1%	<5 copies	Expected value ± 40%
<1%	Expected value ± 50%	≥5 and <10 copies	Expected value ± 30%
≥1% and <5%	Expected value ± 40%	≥10 copies	Expected value ± 20%
≥5% and <10%	Expected value ± 30%		
≥10%	Expected value ± 20%		

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****