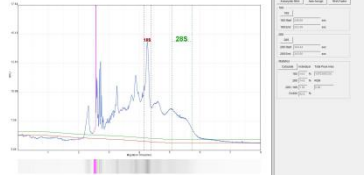


# CERTIFICATE OF ANALYSIS

## General information

Name:	RNA of Panel-Ref RNA-Fusion Cocktail FFPE Control
Catalog No.	CBP90037
Lot No.	CGD2021092701
Format	RNA (FFPE extraction)
Buffer	RNase-free H2O
Storage Conditions	-80°C
Date of Manufacture	Sep.-27-2021
Expiry	12 months from the date of manufacture

## Quality Control

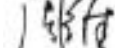
Test Items	Standard	Results	Passed
Quantity	0.5ug/vial*1vial	0.5ug/vial*1vial	√
Conc.	Qubit3.0	30 ng/uL±10%	√
OD260/OD280	1.8~2.1	1.86	√
RNQ Value	>3 (Qsep 1)	6.80 	√
Copy Number	DdPCR	3-1000copies/ng	√

Left Gene	Exon	Right Gene	Exon	Cosmic ID	Left Breakpoint	Right Breakpoint	Copies/ng
EML4	13	ALK	20	COSF408	chr2:42522656:+	chr2:29446394:-	40.88
EML4	6	ALK	20	COSF474	chr2:42492091:+	chr2:29446394:-	16.46
EML4	20	ALK	20	COSF409	chr2:42552694:+	chr2:29446394:-	304.75
KIF5B	15	RET	12	COSF1232	chr10:32317356+	chr10:43612032:+	308.73
NCOA4	8	RET	12	COSF1491	chr10:51582939:+	chr10:43612032:+	974.85
CCDC6	1	RET	12	COSF1271	chr10:61665880:-	chr10:43612032:+	414.06
SLC34A2	4	ROS1	32	COSF1196	chr4:25665952:+	chr6:117650609:-	8.66
CD74	6	ROS1	34	COSF1200	chr5:149784243:-	chr6:117645578:-	417.4
EZR	10	ROS1	34	COSF1267	chr6:159191796:-	chr6:117645578:-	562.85
TPM3	7	NTRK1	10	COSF1329	chr1:154142876:-	chr1:156844363:+	530.05
LMNA	5	NTRK1	11	N/A	chr1:156105103:+	chr1:156844698:+	1000
QKI	6	NTRK2	16	COSF1446	chr6:163984751:+	chr9:87482158:+	256.85
NACC2	4	NTRK2	11	N/A	chr9:138905045:-	chr9:87359888:+	184.24
ETV6	5	NTRK3	15	COSF571	chr12:12022903:+	chr15:88483984:-	293.82
BTBD1	4	NTRK3	14	N/A	chr15:83710480:-	chr15:88576276:-	191.99
MET	13	MET	15	N/A	chr7:116411708:+	chr7:116414935:+	61.36
KIAA1549	16	BRAF	9	COSF481	chr7:138545885:-	chr7:140487384:-	174.84
FGFR2	17	BICC1	3	N/A	chr10:123243212:-	chr10:60461834:+	140.02
FGFR2	17	AHCYL1	2	N/A	chr10:123243212:-	chr1:110551656:+	205.52
FGFR3	17	TACC3	10	N/A	chr4:1808661:+	chr4:1739325:+	5.57
BCR	14	ABL1	2	N/A	chr22:23632600:+	chr9:133729451:+	91.23
EGFR	1	EGFR	8	N/A	chr7:55087058:+	chr7:55223523:+	88.77

**Caution:**

For research use only.

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

Certified by:  Date:\*\*\*\*

 Date:\*\*\*\*