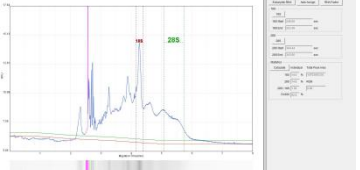


CERTIFICATE OF ANALYSIS

General information

Name:	Panel-Ref RNA-Fusion Cocktail FFPE Control
Catalog No.	CBP90036
Lot No.	CGD2021092701
Format	FFPE slide
Size	20uM/slide
Storage Conditions	4°C
Date of Manufacture	Sep.-27-2021
Expiry	24 months from the date of manufacture
Comments	It is better to extract as soon as possible

Quality Control (FFPE slide and RNA (FFPE slide Extraction))

Test Items	Standard	Results	Passed
Quantity	1 slide/vial*1vial	1 slide/vial*1vial	√
RNA Yield	RNeasy DSP FFPE Kit (Qiagen) Qubit™ RNA Assay Kits (Thermo Fisher Scientific)	≥ 500ng/section (720ng in-house)	√
RNQ Value	>3 (Qsep 1)	6.80 	√
Copy Number	DdPCR	3-1000copies/ng	√

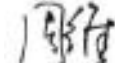
Left Gene	Exon	Right Gene	Exon	Cosmic ID	Left Breakpoint	Right Breakpoint	Copies/ng
EML4	13	ALK	20	COSF408	chr2:42522656:+	chr2:29446394:-	40.88
EML4	6	ALK	20	COSF474	chr2:42492091:+	chr2:29446394:-	16.46
EML4	20	ALK	20	COSF409	chr2:42552694:+	chr2:29446394:-	304.75
KIF5B	15	RET	12	COSF1232	chr10:32317356+	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:****