CERTIFICATE OF ANALYSIS

General information

Name:	Panel-Ref® RNA-Fusion Cocktail Control
Catalog No.	CBP90001
Lot No.	CGD2022060911
Format	RNA
Buffer	RNase-free H2O
Storage Conditions	-80℃
Date of Manufacture	Jun.-09-2022
Expiry	12 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Conc.	Qubit3.0	60 ng/uL±10%	√
OD260/OD280	1.8~2.1	1.86	√
RNQ Value	>9 (Qsep)	9.03	√
Copy Number	DdPCR	3-300copies/ng	√

Fusion Gene	Left Gene	Left Breakpoint	Right Gene	Right Breakpoint	Copies/ng
CCDC6-RET Fusion (E1-E12)	CCDC6(E1)	chr10:61665880:-	RET(E12)	chr10:43612032:+	124
EML4-ALK Fusion (E13-E20)	EML4(E13)	chr2:42522656:+	ALK(A20)	chr2:29446394:-	49.23
ETV6-NTRK3 Fusion (E5-E15)	ETV6(E5)	chr12:12022903:+	NTRK3(E15)	chr15:88483984:-	37.42
KIF5B-RET Fusion (E15-E12)	KIF5B(E15)	chr10:32317356:-	RET(E12)	chr10:43612032:+	186.22
NPM1-ALK Fusion (E4-E20)	NPM1(E4)	chr5:170818803:+	ALK(E20)	chr2:29446394:-	4.39
SLC34A2-ROS1 Fusion (E4-E32)	SLC34A2(E4)	chr4:25665952:+	ROS1(E32)	chr6:117650609:-	76.02
TPM3-NTRK1 Fusion (E7-E9)	TPM3(E7)	chr1:154142876:-	NTRK1(E9)	chr1:156844363:+	64.31
FGFR3-TACC3 (E17-E11)	FGFR3(E17)	chr4:1808661:+	TACC3(E11)	chr4:1741429:+	50.31
MET exon14 Skiping (E13-E15)	MET(E13)	chr7:116411708:+	MET(E15)	chr7:116414935:+	89.13
BCR-ABL1 (E14-E2)	BCR(E14)	chr22:23632600:+	ABL1(E2)	chr9:133729451:+	10.03
CD74-ROS1(E6-E34)	CD74(E6)	chr5:149784243:-	ROS1(E34)	chr6:117645578:-	9.21

Caution:
For research use only.
If you have any questions about the Certificate of Analysis, please contact us.

Certified by: Date:****

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