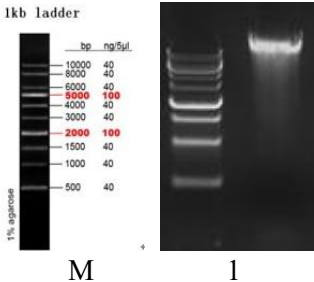


CERTIFICATE OF ANALYSIS

General information

Name	TMB-P9(matrix) -1% Reference Standard_Tumor
Catalog No.	CBP80001-9
Lot No.	CGD49107520
Format	Genomic DNA
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Jul.-23-2020
Expiry	36 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD260/OD280	1.75~1.9	1.78	√
DNA electrophoresis	No Degradation	 <p> 1kb ladder bp ng/5ul 10000 40 8000 40 6000 40 5000 100 4000 40 3000 40 2000 100 1500 40 1000 40 500 40 1% agarose M 1 M: Marker 1: TMB-P9(matrix) -1% Reference Standard Tumor </p>	√
TMB Value	500x WES	4.15(Pair)-cut off 1% 0.95(Pair)-cut off 2% 0.27(Pair)-cut off 3% 0.18(Pair)-cut off 4% 0.09(Pair)-cut off 5%	√

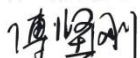
For detail data of WES, please contact us.

Caution:

For research use only.

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

Certified by:  Date: ****

 Date: ****