

## CERTIFICATE OF ANALYSIS

### General information

Name	ctDNA of Human papillomavirus 18 (HPV18) within human gDNA background Reference Standard
Catalog No.	CBPK0004
Lot No.	CBFA23102501
Format	ctDNA (ultrasonic treatment)
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	2023/10/25
Expiry	36 months from the date of manufacture

### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial *2 vials	1.00 µg/vial *2 vials	√
Concentration	20.00 ng/µL±10%	21.00 ng/µL by Qubit 3.0 detection	√
Average Fragmentation Size	160 bp±10%	171.5 bp by Qsep1 detection	√
Copy Number	Positive	451.11 copies/ng by DdPCR detection	√
IU value	Positive	2782.48 IU/µL with Integration Index is 3.24	√

### Caution:

For research use only.

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

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

 Date:\*\*\*\*