

CERTIFICATE OF ANALYSIS

2019-nCoV-Panel Pseudovirus Standard Reference

Product information

Name	2019-nCoV-Panel Pseudovirus Standard Reference
Catalog No.	CBV30023
Lot No.	CGD2022030611
Format	Virus
Gene	Gene N, Gene E, ORF1ab/RdRP
Sequence	<p>Gene N (1260bp):</p> <p>ATGTCTGATAATGGACCCCAAATCAGCGAAATGCACCCCGCA TTACGTTTGGTGGACCCTCAGATTCAACTGGCAGTAACCAGAA TGGAGAACGCAGTGGGGCGCGATCAAACAACGTGGCCCA AGGTTTACCCAATAATACTGCGTCTTGGTTCACCGCTCTACTC AACATGGCAAGGAAGACCTTAAATTCCCTCGAGGACAAGGCGT TCCAATTAACACCAATAGCAGTCCAGATGACCAAATTGGCTAC TACCGAAGAGCTACCAGACGAATTCGTGGTGGTGACGGTAAAA TGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCTAGGAAC TGGGCCAGAAGCTGGACTTCCCTATGGTGCTAACAAAGACGGC ATCATATGGGTTGCAACTGAGGGAGCCTTGAATACACCAAAG ATCACATTGGCACCCGCAATCCTGCTAACAAATGCTGCAATCGT GCTACAACCTCCTCAAGGAACAACATTGCCAAAAGGCTTCTAC GCAGAAGGGAGCAGAGGCGGCAGTCAAGCCTCTTCTCGTTTCT CATCACGTAGTCGCAACAGTTCAAGAAATTCAACTCCAGGCAG CAGTAGGGGAACCTTCTCCTGCTAGAATGGCTGGCAATGGCGGT GATGCTGCTCTTGCTTTGCTGCTGCTTGACAGATTGAACAGCT TGAGAGCAAAATGTCTGGTAAAGGCCAACAAACAAGGCCA AACTGTCACTAAGAAATCTGCTGCTGAGGCTTCTAAGAAGCCT CGGCAAAAACGTACTGCCACTAAAGCATAACAATGTAACACAA GCTTTCGGCAGACGTGGTCCAGAACAACCCAAGGAAATTTG GGGACCAGGAACTAATCAGACAAGGAACTGATTACAAACATT GGCCGCAAATTGCACAATTTGCCCCAGCGCTTCAGCGTTCTTC GGAATGTCGCGCATTGGCATGGAAGTCACACCTTCGGGAACGT GGTTGACCTACACAGGTGCCATCAAATTGGATGACAAAGATCC AAATTTCAAAGATCAAGTCATTTTGCTGAATAAGCATATTGAC GCATAAAAACATTCCCACCAACAGAGCCTAAAAAGGACAAA AAGAAGAAGGCTGATGAACTCAAGCCTTACCGCAGAGACAG AAGAAACAGCAAACCTGTGACTCTTCTTCTGCTGACAGATTGG ATGATTTCTCAAACAATTGCAACAATCCATGAGCAGTGCTGA CTCAACTCAGGCCTAA</p> <p>Gene E (228bp):</p> <p>ATGTAATCATTTCGTTTCGGAAGAGACAGGTACGTTAATAGTTA ATAGCGTACTTCTTTTCTTGCTTTCGTGGTATTCTTGCTAGTTA CACTAGCCATCCTTACTGCGCTTCGATTGTGTGCGTACTGCTGC</p>

AATATTGTAAACGTGAGTCTTGTAACCTTCTTTTTACGTTA
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TGGTCTAA

ORF1ab/RdRP (2995bp)

GTTGTCTGTAAGTCCGTTGCCACATAGATCATCCAAATCCTAAA
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NCBI No.	NC_045512.2
Buffer	1xPBS
Storage Conditions	-80°C
Date of Manufacture	03.06.2022
Expiry	12 months from the date of manufacture


Quality Control

Test Items	Standard	Results	Passed
Quantity	1ml/vial*3vials	1ml/vial*3vials	√
N Copy Number	>1x10 ⁷ copies/ml (DdPCR)	5.7x10 ⁷ copies/ml	√
E Copy Number	>1x10 ⁷ copies/ml (DdPCR)	1.6x10 ⁷ copies/ml	√
ORF1ab/RdRP Copy Number	>1x10 ⁷ copies/ml (DdPCR)	2.3x10 ⁷ copies/ml	√
DNA Residue	<1% (DdPCR)	0.89% (ORF1ab/RdRP) 0.43% (Gene N) 0.72% (Gene E)	√

Caution:

For research use only.

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

Certified by:  Date:****