

CERTIFICATE OF ANALYSIS

Product information

Name	2019-nCoV-Panel2 Pseudovirus
Catalog No.	CBV30030
Lot No.	CBFA22091517
Format	Virus
Gene	Gene N, ORF1ab/RdRP
Sequence	<p>Gene N (1260bp):</p> <p>ATGTCTGATAATGGACCCCAAATCAGCGAAATGCACCCCGCA TTACGTTTGGTGGACCCTCAGATTCAACTGGCAGTAACCAGAA TGGAGAACGCAGTGGGGCGCGATCAAACAACGTGGGCCCA AGGTTTACCCAATAATACTGCGTCTTGGTTCACCGCTCTCACTC AACATGGCAAGGAAGACCTTAAATTCCCTCGAGGACAAGGCGT TCCAATTAACACCAATAGCAGTCCAGATGACCAAATTGGCTAC TACCGAAGAGCTACCAGACGAATTCGTGGTGGTGACGGTAAAA TGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCTAGGAAC TGGGCCAGAAGCTGGACTTCCCTATGGTGCTAACAAAGACGGC ATCATATGGGTTGCAACTGAGGGAGCCTTGAATACACCAAAG ATCACATTGGCACCCGCAATCCTGCTAACAAATGCTGCAATCGT GCTACAACCTCCTCAAGGAACAACATTGCCAAAAGGCTTCTAC GCAGAAGGGAGCAGAGGCGGCAGTCAAGCCTCTTCTCGTTTCT CATCACGTAGTCGCAACAGTTCAAGAAATTCAACTCCAGGCAG CAGTAGGGGAACCTTCTCCTGCTAGAATGGCTGGCAATGGCGGT GATGCTGCTCTTGCTTTGCTGCTGCTTGACAGATTGAACCAGCT TGAGAGCAAAATGTCTGGTAAAGGCCAACAAACAAGGCCA AACTGTCACTAAGAAATCTGCTGCTGAGGCTTCTAAGAAGCCT CGGCAAAAACGTACTGCCACTAAAGCATAACAATGTAACACAA GCTTTCGGCAGACGTGGTCCAGAACAACCCAAGGAAATTTG GGGACCAGGAACATAATCAGACAAGGAACCTGATTACAAACATT GGCCGCAAATTGCACAATTTGCCCCAGCGCTTCAGCGTTCTTC GGAATGTCGCGCATTGGCATGGAAGTCACACCTTCGGGAACGT GGTTGACCTACACAGGTGCCATCAAATTGGATGACAAAGATCC AAATTTCAAAGATCAAGTCATTTTGTGAATAAGCATATTGAC GCATAAAAACATTCCCACCAACAGAGCCTAAAAAGGACAAA AAGAAGAAGGCTGATGAACTCAAGCCTTACCGCAGAGACAG AAGAAACAGCAAACCTGTGACTCTTCTTCTGCTGCAGATTTGG ATGATTTCTCAAACAATTGCAACAATCCATGAGCAGTGCTGA CTCAACTCAGGCCTAA</p> <p>ORF1ab/RdRP (2995bp)</p> <p>GTTGTCTGTAAGTCCGTTGCCACATAGATCATCAAATCCTAAA GGATTTTGTGACTTAAAAGGTAAGTATGTACAAATACCTACAA CTTGTGCTAATGACCCTGTGGGTTTTACACTTAAAACACAGTC TGTACCGTCTGCGGTATGTGGAAAGGTTATGGCTGTAGTTGTG</p>

ATCAACTCCGCGAACCCATGCTTCAGTCAGCTGATGCACAATC
GTTTTTAAACGGGTTTTCGGGTGTAAGTGCAGCCCCTTACACC
GTGCGGCACAGGCACTAGTACTGATGTCGTATACAGGGCTTTT
GACATCTACAATGATAAAGTAGCTGGTTTTGCTAAATTCCTAA
AAACTAATTGTTGTCGCTTCCAAGAAAAGGACGAAGATGACAA
TTTAATTGATTCTTACTTTGTAGTTAAGAGACACACTTTCTCTA
ACTACCAACATGAAGAAACAATTTATAATTTACTTAAGGATTG
TCCAGCTGTTGCTAAACATGACTTCTTTAAGTTTAGAATAGACG
GTGACATGGTACCACATATATCACGTCAACGTCTTACTAAATA
CACAAATGGCAGACCTCGTCTATGCTTTAAGGCATTTTGATGAA
GGTAATTGTGACACATTAAGAAATACTTGTACATACAATT
GTTGTGATGATGATTATTTCAATAAAAAGGACTGGTATGATTTT
GTAGAAAACCCAGATATATTACGCGTATACGCCAACTTAGGTG
AACGTGTACGCCAAGCTTTGTAAAAACAGTACAATTCTGTGA
TGCCATGCGAAATGCTGGTATTGTTGGTGTACTGACATTAGAT
AATCAAGATCTCAATGGTAACTGGTATGATTTTCGGTGATTTTCAT
ACAAACCACGCCAGGTAGTGGAGTTCCTGTTGTAGATTCTTATT
ATTCATTGTTAATGCCTATATTAACCTTGACCAGGGCTTTAACT
GCAGAGTCACATGTTGACACTGACTTAACAAAGCCTTACATTA
AGTGGGATTTGTTAAAATATGACTTCACGGAAGAGAGGTTAAA
ACTCTTTGACCGTTATTTTAAATATTGGGATCAGACATACCACC
CAAATTGTGTTAACTGTTGGATGACAGATGCATTCTGCATTGT
GCAAACCTTAATGTTTTATTCTCTACAGTGTTCCACCTACAAG
TTTTGGACCACTAGTGAGAAAAATATTTGTTGATGGTGTTCAT
TTGTAGTTTCAACTGGATACCACCTCAGAGAGCTAGGTGTTGTA
CATAATCAGGATGTAACTTACATAGCTCTAGACTTAGTTTTAA
GGAATTACTTGTGTATGCTGCTGACCCTGCTATGCACGCTGCTT
CTGGTAATCTATTACTAGATAAACGCACTACGTGCTTTTCAGTA
GCTGCACTTACTAACAATGTTGCTTTTCAAACCTGTCAAACCCGG
TAATTTTAAACAAAGACTTCTATGACTTTGCTGTGTCTAAGGGTT
TCTTTAAGGAAGGAAGTTCTGTTGAATTAACACTTCTTCTTT
GCTCAGGATGGTAATGCTGCTATCAGCGATTATGACTACTATC
GTTATAATCTACCAACAATGTGTGATATCAGACAACACTACTATTT
GTAGTTGAAGTTGTTGATAAGTACTTTGATTGTTACGATGGTGG
CTGTATTAATGCTAACCAAGTCATCGTCAACAACCTAGACAAA
TCAGCTGGTTTTCCATTTAATAAATGGGGTAAGGCTAGACTTTA
TTATGATTCAATGAGTTATGAGGATCAAGATGCACTTTTTCGCAT
ATACAAAACGTAATGTCATCCCTACTATAACTCAAATGAATCT
TAAGTATGCCATTAGTGCAAAGAATAGAGCTCGCACCGTAGCT
GGTGTCTCTATCTGTAGTACTATGACCAATAGACAGTTTCATCA
AAAATTATTGAAATCAATAGCCGCCACTAGAGGAGCTACTGTA
GTAATTGGAACAAGCAAATCTATGGTGGTTGGCACAACATGT
TAAAAACTGTTTATAGTGATGTAGAAAACCCTCACCTTATGGG
TTGGGATTATCCTAAATGTGATAGAGCCATGCCTAACATGCTT
AGAATTATGGCCTCACTTGTCTTGTCTCGCAAACATACAACGTG
TTGTAGCTTGTACACCCGTTTCTATAGATTAGCTAATGAGTGTG
CTCAAGTATTGAGTGAAATGGTCATGTGTGGCGGTTCACTATA
TGTTAAACCAGGTGGAACCTCATCAGGAGATGCCACAACCTGCT
TATGCTAATAGTGTTTTTAACATTTGTCAAGCTGTCACGGCCAA

TGTTAATGCACTTTTATCTACTGATGGTAACAAAATTGCCGATA
 AGTATGTCCGCAATTTACAACACAGACTTTATGAGTGTCTCTAT
 AGAAATAGAGATGTTGACACAGACTTTGTGAATGAGTTTACG
 CATATTTGCGTAAACATTTCTCAATGATGATACTCTCTGACGAT
 GCTGTTGTGTGTTTCAATAGCACTTATGCATCTCAAGGTCTAGT
 GGCTAGCATAAAGAAGCTTTAAGTCAGTTCTTTATTATCAAAC
 AATGTTTTTATGTCTGAAGCAAAATGTTGGACTGAGACTGACC
 TTAATAAGGACCTCATGAATTTTGTCTCAACATACAATGCTA
 GTTAAACAGGGTGATGATTATGTGTACCTTCCTTACCCAGATCC
 ATCAAGAATCCTAGGGGCCGGCTGTTTTGTAGATGATATCGTA
 AAAACAGATGGTACACTTATGATTGAACGGTTCGTGTCTTTAG
 CTATAGATGCTTACCCACTTACTAAACATCCTAATCAGGAGTAT
 GCTGATGTCTTTCATTTGTACTIONTACAATAAGAAAGCTACA
 TGATGAGTTAACAGGACACATGTTAGACATGTATTCTGTTATG
 CTTACTAATGATAACACTTCAAGGTATTGGGAACCTGAGTTTTA
 TGAGGCTATGTACACACCCGCATACAGTCTTACAG

NCBI No.	NC_045512.2
Buffer	1xPBS
Storage Conditions	-80°C
Date of Manufacture	Sep.-15-2022
Expiry	12 months from the date of manufacture


Quality Control


Test Items	Standard	Results	Passed
Quantity	1mL/vial*1 vial	1mL/vial*1 vial	√
N Copy Number	>1x10 ⁷ copies/mL(DdPCR)	2.1x10 ⁷ copies/mL	√
ORF1ab/RdRP Copy Number	>1x10 ⁷ copies/mL(DdPCR)	1.26x10 ⁷ copies/mL	√
DNA Residue	<1% (DdPCR)	0.69% (ORF1ab/RdRP) 0.94% (Gene N)	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****