

CERTIFICATE OF ANALYSIS

MERS-Panel2 Pseudovirus Standard Reference

Product information

Name	MERS-Panel2 Pseudovirus Standard Reference
Catalog No.	CBV30033
Lot No.	CGD2022062513
Format	Virus
Gene	ORF1ab/RdRP(2798bp)、Gene N(1242bp)
Sequence	<p>ORF1ab/RdRP(2798bp):</p> <p>TCTAAAGATTCCAATTTTTTAAACGAGTCCGGGGTTCTATTGTAAATGCCCGAATAGAAC CCTGTTCAAGTGGTTTGTCCACTGATGTCGTCCTTAGGGCATTGACATCTGCAACTATA AGGCTAAGGTTGCTGGTATTGAAAATACTACAAGACTAATACTTGTAGGTTTGTAGAAT TAGATGACCAAGGGCATCATTTAGACTCCTATTTTGTGCGTTAAGAGGCATACTATGGAGA ATTATGAACTAGAGAAGCACTGTTACGACTTGTACGTGACTGTGATGCTGTAGCTCCCC ATGATTTCTTCATCTTTGATGTAGACAAAGTAAAACACCTCATATTGTACGTCAGCGTT TAACTGAGTACACTATGATGGATCTTGTATATGCCCTGAGGCACTTTGATCAAAAATAGCG AAGTGCTTAAGGCTATCTTAGTGAAGTATGGTTGCTGTGATGTTACCTACTTTGAAAATA AACTCTGGTTTGATTTTGTGAAAATCCCAGTGTATTGGTGTATTATCATAAACTTGGAG AACGTGTACGCCAAGCTATCTTAAACACTGTTAAATTTTGTGACCACATGGTCAAGGCTG GTTTAGTCCGGTGTGCTCACACTAGACAACCAGGACCTTAATGGCAAGTGGTATGATTTTG GTGACTTCGTAATCACTCAACCTGGTTCAGGAGTAGCTATAGTTGATAGCTACTATTCTT ATTTGATGCCTGTGCTCTCAATGACCGATTGTCTGGCCGCTGAGACACATAGGGATTGTG ATTTTAATAAACCACTCATTGAGTGGCCACTTACTGAGTATGATTTTACTGATTATAAGG TACAACCTTTGAGAAGTACTTTAAATATTTGGGATCAGACGTATCAGCAAATTCGTTA ATTGTACTGATGACCGTTGTGTGTACATTGTGCTAATTTCAATGATTGTTTGTCTATGA CCATGCCTAAGACTTGTTTTCGGACCCATAGTCCGAAAGATCTTTGTTGATGGCGTGCCAT TTGTAGTATCTTGTGGTTATCACTACAAAGAATTAGGTTTAGTCATGAATATGGATGTTA GTCTCCATAGACATAGGCTCTCTCTTAAGGAGTTGATGATGATGCGCTGATCCAGCCA TGCACATTGCCCTCCTCTAACGCTTTTCTTGATTTGAGGACATCATGTTTTAGTGTGCGCTG CACTTACAACCTGGTTTTGACTTTTCAAACCTGTGCGGCCTGGCAATTTTAAACCAAGACTTCT ATGATTTTCGTGGTATCTAAAGGTTTCTTTAAGGAGGGCTCTTCAGTACGCTCAAACATT TTTTCTTTGCTCAAGATGGTAATGCTGCTATTACAGATTATAAATACTATTCTTATAATC TGCCACTATGTGTGACATCAAACAAATGTTGTTCTGCATGGAAAGTTGTAACCAAGTACT TCGAAATCTATGACGGTGGTTGTCTTAATGCTTCTGAAGTGGTTGTTAATAATTTAGACA AGAGTGCTGGCCATCCTTTTAAATAAGTTTGGCAAAGCTCGTGTCTATTATGAGAGCATGT CTTACCAGGAGCAAGATGAACCTTTTTGCCATGACAAAGCGTAACGTCATTCTACCATGA CTCAAATGAATCTAAAATATGCTATTAGTGTGTAAGAATAGAGCTCGCACTGTTGCAGGCG TGTCCATACTTAGCACAATGACTAATCGCCAGTACCATCAGAAAATGCTTAAAGTCCATGG CTGCAACTCGTGGAGCGACTTGCCTCATTGGTACTACAAAGTTCTACAGGCTGGGATT TCATGCTTAAAACATTGTACAAAGATGTTGATAATCCGCATCTTATGGGTTGGGATTACC CTAAGTGTGATAGAGCTATGCCAATATGTGTAGAATCTTCGCTTCACTCATATTAGCTC GTAAACATGGCACTTGTGTACTACAAGGACAGATTTTATCGCTTGGCAAATGAGTGTG CTCAGGTGCTAAGCGAATATGTTCTATGTGGTGGTGGTTACTACGTCAAACCTGGAGGTA CCAGTAGCGGAGATGCCACCACTGCATATGCCAATAGTGTCTTTAACATTTTGCAGGCCGA CAACTGCTAATGTCAGTGCCTTATGGGTGCTAATGGCAACAAGATTGTTGACAAAGAAG TTAAGACATGCAGTTTGTATTGTATGTCAATGTTTACAGGAGCACTAGCCCAGACCCCA AATTTGTTGATAAATACTATGCTTTTCTTAATAAGCACTTTTCTATGATGATACTGTCTG ATGACGGTGTGCTTTGCTATAAATAGTATTATGCAGCTAAGGTTACATTGCTGGAATAC AGAATTTTAAAGAAACGCTGTATTATCAGAACAAATGTCTTTATGTCTGAAGCTAAATGCT GGGTGGAAACCGATCTGAAGAAAGGGCCACATGAATTCGTTCACAGCATACGCTTTTATA TTAAGGATGGCGACGATGGTTACTTCCTTCTTATCCAGACCCTTCAAGAAATTTGTCTG CCGGTTGCTTTGTAGATGATATCGTTAAGACTGACGGTACACTCATGGTAGAGCGGTTTG</p>

TGTCCTTTGGCTATAGATGCTTACCCTCTCACAAAGCATGAAGATATAGAATACCAGAATG
 TATTCTGGGTCTACTTACAGTATATAGAAAACTGTATAAAGACCTTACAGGACACATGC
 TTGACAGTTATTCTGTATGCTATGTGGTGATAATTCTGCTAAGTTTTGGGAAGAGGCAT
 TCTATAGAGATCTCTATAGTTTCGCCTACCCTTTGCAG

Gene N(1242bp):

ATGGCATCCCCCTGCTGCACCTCGTGTCTTTCTTTGCCGATAACAATGATATAACAAT
 ACAAACCTATCTCGAGGTAGAGGACGTAATCCAAAACCACGAGCTGCACCAAATAACACT
 GTCTCTTGGTACACTGGGCTTACCCAACACGGGAAAGTCCCTCTTACCTTTCCACCTGGG
 CAGGGTGTACTCTTAATGCCAATTCTACCCTGCGCAAAATGCTGGGTATGGCGGAGA
 CAGGACAGAAAAATTAATACCGGAATGGAAATTAAGCAACTGGCTCCCAGGTGGTACTTC
 TACTACACTGGAATGGACCCGAAGCAGCACTCCCATTCCGGGTGTTAAGGATGGCCTC
 GTTTGGGTCCATGAAGATGGCGCCACTGATGCTCCTTCACTTTTGGGACGCGGAACCCCT
 AACAAATGATTAGCTATTGTTACACAATTTCGCGCCCGGTACTAAGCTTCTAAAAACTTC
 CACATTGAGGGGACTGGAGGCAATAGTCAATCATCTTCAAGAGCCTCTAGCTTAAGCAGA
 AACTCTTCCAGATCTAGTTCACAAGGTTCAAGATCAGGAAACTCTACCCGCGGCACTTCT
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 AGACTACAAGCCCTTGAGTCTGGCAAAGTAAAGCAATCGCAGCCAAAAGTAATCACTAAG
 AAAGATGCTGCTGCTGCTAAAAATAAGATGCGCCACAAGCGCACTTCCACCAAAAAGTTTC
 AACATGGTGCAAGCTTTTGGTCTTCGCGGACCAGGAGACCTCCAGGGAAACTTTGGTGAT
 CTTCAATTGAATAAACTCGGCACTGAGGACCCACGTTGGCCCCAAATTCGTGAGCTTGCT
 CCTACAGCCAGTGCTTTTATGGGTATGTCGCAATTTAAACTTACCCATCAGAACAATGAT
 GATCATGGCAACCCTGTGTACTTCTTCGGTACAGTGGAGCCATTAACCTTGACCCAAAG
 AATCCCAACTACAATAAGTGGTGGAGCTTCTTGAGCAAAATATTGATGCCACAAAACC
 TTCCCTAAGAAGGAAAAGAAACAAAAGGCACCAAAAGAAGAATCAACAGACCAAAATGTCT
 GAACCTCCAAGGAGCAGCGTGTGCAAGGTAGCATCACTCAGCGCACTCGCACCCGTCCA
 AGTGTTCAGCCTGGTCCAATGATTGATGTTAACACTGATTAG

NCBI No.	NC_019843.3
Buffer	1xPBS
Storage Conditions	-80°C
Date of Manufacture	06.25.2022
Expiry	12 months from the date of manufacture



Quality Control

Test Items	Standard	Results	Passed
Quantity	1ml/vial*1vial	1ml/vial*1vial	√
ORF1ab Copy Number	>1x10 ⁷ copies/ml	1.7x10 ⁷ copies/ml	√
Gene N Copy Number	>1x10 ⁷ copies/ml	2.27x10 ⁷ copies/ml	√
DNA Residue	<2% (DdPCR)	1.8% (ORF1ab/RdRP) 1.5% (Gene N)	√

Caution:

For research use only.

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

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