

# CERTIFICATE OF ANALYSIS

## SRAS-Panel2 Pseudovirus Standard Reference

### Product information

Name	SRAS-Panel2 Pseudovirus Standard Reference
Catalog No.	CBV30034
Lot No.	CGD2022062518
Format	Virus
Gene	ORF1ab/RdRP(2795bp)、Gene N(1207bp)
Sequence	<p>ORF1ab/RdRP(2795bp):</p> <p>TCTGCGGATGCATCAACGTTTTTAAACGGGTTTGCGGTGTAAAGTGCAGCCCGTCTTACAC            CGTGCGGCACAGGCACACTAGTACTGATGTCGCTACAGGGCTTTTGATATTTACAACGAAA            AAGTTGCTGGTTTTGCAAAAGTTCCTAAAAACTAATTGCTGTCGCTTCCAGGAGAAGGATG            AGGAAGGCAATTTATTAGACTCTTACTTTGTAGTTAAGAGGCATACTATGTCTAACTACC            AACATGAAGAGACTATTTATAACTTGGTTAAAGATTGTCCAGCGGTTGCTGTCCATGACT            TTTTCAAGTTTAGAGTAGATGGTGACATGGTACCACATATATCACGTCAGCGTCTAACTA            AATACACAATGGCTGATTTAGTCTATGCTCTACGTCATTTGATGAGGGTAATTGTGATA            CATTTAAAGAAATACTCGTCACATACAATGCTGTGATGATGATTATTTCAATAAGAAGG            ATTGGTATGACTTCGTAGAGAATCCTGACATCTTACGCGTATATGCTAACTTAGGTGAGC            GTGTACGCCAATCATTATTAAGACTGTACAATTCTGCGATGCTATGCCAGGATGTCAGGCA            TTGTAGGCGTACTGACATTAGATAATCAGGATCTTAATGGGAACTGGTACGATTTCCGGTG            ATTTTCGTACAAGTAGCACCAGGCTGCGGAGTTCCTATTGTGGATTCAATTACTCATTGC            TGATGCCCATCCTCACTTTGACTAGGGCATTGGCTGCTGAGTCCCATATGGATGCTGATC            TCGCAAACCACTTATTAAGTGGGATTTGCTGAAATATGATTTTACGGAAGAGAGACTTT            GTCTCTTCGACCGTTATTTTAAATATTGGGACCAGACATACCATCCCAATTGTATTA            ACTGTTGGATGATAGGTGTATCCTTCATTGTGCAAACCTTAAATGTGTTATTTCTACTTGT            TTCCACCTACAAGTTTTTGGACCAGTACTAGTAAGAAAAATATTTGTAGATGGTGTCTCTTTG            TTGTTTCAACTGGATAACCATTTTCGTGAGTTAGGAGTCGTACATAATCAGGATGTAACT            TACATAGCTCGCGTCTCAGTTTCAAGGAACCTTTAGTGTATGCTGCTGATCCAGCTATGC            ATGCAGCTTCTGGCAATTTATGCTAGATAAACGCACCTACATGCTTTTTCAGTAGCTGCAC            TAACAAACAATGTTGCTTTTCAAACCTGTCAAACCCGGTAAATTTTAAATAAGACTTTTATG            ACTTTGCTGTGCTAAAGGTTTCTTTAAGGAAGGAAGTTCGTGTAACATAAAACACTTCT            TCTTTGCTCAGGATGGCAACGCTGCTATCAGTATTGATGACTATTAATGTTATAATCTGC            CAACAATGTGTGATATCAGACAACCTCCTATTCGTAGTTGAAGTTGTTGATAAAATACTTTG            ATTGTTACGATGGTGGCTGTATTAATGCCAACCAAGTAATCGTTAACAACTCGGATAAAT            CAGCTGGTTTCCATTTAATAAATGGGGTAAGGCTAGACTTTATTATGACTCAATGAGTT            ATGAGGATCAAGATGCACTTTTCGCGTATACTAAGCGTAATGTCATCCCTACTATAA            AATGAATCTTAAGTATGCCATTAGTGCAAAGAATAGAGCTCGCACCGTAGCTGGTGTCT            CTATCTGTAGTACTATGACAAATAGACAGTTTCATCAGAAATTAATGAAGTCAATAGCCG            CCACTAGAGGAGCTACTGTGGTAATTGGAACAAGCAAGTTTTCAGGTGGCTGGCATAATA            TGTTAAAACTGTTTACAGTGATGTAGAACTCCACACCTTATGGGTTGGGATTATCCAA            AATGTGACAGAGCCATGCCTAACATGCTTAGGATAATGGCCTCTCTTGTCTTGTCTGCGCA            AACATAACACTTGCTGTAACCTATCACACCGTTTCTACAGTTAGCTAACGAGTGTGCGC            AAGTATTAAGTGAGATGGTCATGTGTGGCGCTCACTATATGTTAAACCAGGTGGAACAT            CATCCGGTGTGCTACAACCTGCTTATGCTAATAGTGTCTTAAACATTTGTCAAGCTGTTA            CAGCCAATGTAATGCACCTCTTTCAACTGATGGTAATAAGATAGCTGACAAGTATGTCC            GCAATCTACACACAGGCTCTATGAGTGTCTCTATAGAAATAGGGATGTTGATCATGAAT            TCGTGGATGAGTTTTACGCTTACCTGCGTAAACATTTCTCCATGATGATTTCTTCTGATG            ATGCCGTTGTGTGCTATAACAGTAACTATGCGGCTCAAGGTTAGTAGCTAGCATTAAAGA            ACTTTAAGGCAGTTCTTTATATCAAAATAATGTGTTTCATGTCTGAGGCAAAATGTTGGA            CTGAGACTGACCTTACTAAAGGACCTCACGAATTTTGCTCACAGCATACAATGCTAGTTA            AACAAGGAGATGATTACGTGTACCTGCCTTACCCAGATCCATCAAGAATATTAGGCGCAG            GCTGTTTTGTCGATGATATTGTCAAAACAGATGGTACACTTATGATTGAAAGGTTTCGTGT</p>

CACTGGCTATTGATGCTTACCCACTTACAAAACATCCTAATCAGGAGTATGCTGATGTCT  
 TTCACTTGTATTTACAATACATTAGAAAAGTTACATGATGAGCTTACTGGCCACATGTTGG  
 ACATGTATTTCCGTAATGCTAACTAATGATAACACCTCACGGTACTGGGAACCTGAGTTTT  
 ATGAGGCTATGTACACACCACATACAGTCTTGCGAG

**Gene N(1207bp):**

ATGTCTGATAATGGACCCCAATCAAACCAACGTTAGTGCCTCCCGCATTACATTTGGTGGG  
 CCCACAGATTCAACTGACAATAACCAGAATGGAGGACGCAATGGGGCAAGGCCAAAACAG  
 CGCCGACCCCAAGGTTTACCCAATAATACTGCGTCTTGGTTCACAGCTCTCACTCAGCAT  
 GGCAAGGAGGAACTTAGATTCCCTCGAGGCCAGGGCGTTCCAATCAACACCAATAGTGGT  
 CCAGATGACCAAATTGGCTACTACCGAAGAGCTACCCGACGAGTTTCGTGGTGGTGACGGC  
 AAAATGAAAGAGCTCAGCCCCAGATGGTACTTCTATTACCTAGGAACCTGGCCAGAAGCT  
 TCACTTCCCTACGGCGCTAACAAAGAAGGCATCGTATGGGTTGCAACTGAGGGAGCCTTG  
 AATACACCCAAAGACCACATTGGCACCAGCAATCCTAATAACAATGCTGCCACCGTGCTA  
 CAACTTCCCTCAAGGAACAACATTGCCAAAAGGCTTCTACGCAGAGGGAAGCAGAGGCGGC  
 AGTCAAGCCTCTTCTCGCTCCTCATCACGTAGTCGCGGTAATTCAAGAAATCAACTCCT  
 GGCAGCAGTAGGGGAAATTTCTCTGCTCGAATGGCTAGCGGAGGTGGTGAACCTGCCCTC  
 GCGCTATTGCTGCTAGACAGATTGAACCAGCTTGAGAGCAAAGTTTTCTGGTAAAGGCCAA  
 CAACAACAAGGCCAAACTGTCATAAGAAATCTGCTGCTGAGGCATCTAAAAAGCCTCGC  
 CAAAAACGTACTGCCACAAAACAGTACAACGTCCTCAAGCATTGGGGAGACGTGGTCCCA  
 GAACAAACCCAAAGGAAATTTGGGGACCAAGACCTAATCAGACAAGGAACTGATTACAAA  
 CATTGGCCGCAAATTGCACAATTTGCTCCAAGTGCCTCTGCATTCTTTGGAATGTCACGC  
 ATTGGCATGGAAGTCACACCTTCGGGAACATGGCTGACTTATCATGGAGCCATTAATTTG  
 GATGACAAAGATCCACAATTCAAAGACAACGTCATACTGCTGAACAAGCACATTGACGCA  
 TACAAAACATTTCCACCAACAGAGCCTAAAAAGGACAAAAAGAAAAGACTGATGAAGCT  
 CAGCCTTTGCCGACAGACAAAAGAAGCAGCCCACTGTGACTCTTCTTCTGCGGCTGAC  
 ATGGATGATTTCTCCAGACAACCTTCAAAATTCATGAGTGGAGCTTCTGCTGATTCAACT  
 CAGGCATAA

NCBI No.	NC_004718.3
Buffer	1xPBS
Storage Conditions	-80°C
Date of Manufacture	06.25.2022
Expiry	12 months from the date of manufacture

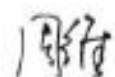
## Quality Control


Test Items	Standard	Results	Passed
Quantity	1ml/vial*1vial	1ml/vial*1vial	√
ORF1ab Copy Number	>1x10 <sup>7</sup> copies/ml	2.57x10 <sup>7</sup> copies/ml	√
Gene N Copy Number	>1x10 <sup>7</sup> copies/ml	1.54x10 <sup>7</sup> copies/ml	√
DNA Residue	<2% (DdPCR)	0.9% (ORF1ab/RdRP) 1.3% (Gene N)	√

**Caution:**

For research use only.

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

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

 Date:\*\*\*\*