

# Armored RNA Quant<sup>®</sup> SARS-CoV-2 Controls

## SARS-CoV-2 Sequence

Amplification primer/probe binding regions for SARS-CoV-2 sequences are detailed below. Orange boxes represent the N1 and N2 primer/probe sequences from "CDC 2019-Novel Coronavirus (2019-nCoV) Real-Time RT-PCR Diagnostic Panel." The primer sequences for RNase P are also included in the table below.

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GAGCTCGAACAACTAAAATGTCTGATAATGGACCCCAAAATCAGCGAAATGCACCCCGCATTACGTTTGGTGGACCCCTCAGATTCAACTGGCAGTAACCAGAATGGAGA
                2019-nCoV_N1-f
                                2019-nCoV_N1-P
                2019-nCoV_N1-R
ACGCAGTGGGGCGCGATCAAAACAACGTCGGCCCAAGGTTTACCCAATAACTGCGTCTTGTTCCACCGCTCTCACTCAACATGGCAAGGAGACCTAAATTCCTC
GAGGACAAGGCGTTCCAATTAACACCAATAGCAGTCCAGATGACCAAAATGGCTACTACCGAAGAGCTACCAGACGAATTCGGTGGTGGACGGTAAAATGAAAGATCTC
AGTCCAAGATGGTATTCTACTACCTAGGAAGTGGCCAGAAGCTGGACTTCCCTATGGTGCTAACAAAGACGGCATCATATGGGTTGCAACTGAGGGAGCCTTGAATAC
ACCAAAAGATCACATTGGCACCCGCAATCTGCTAACAAATGCTGCAATCGTCTACAACCTCTCAAGGAACAACATTGCCAAAAGGCTTCTACGCAAGGGAGCAGAG
GCGGCAGTCAAGCCTCTTCTGTTCTCATCAGTAGTCGCAACAGTTCAAGAAATCAACTCCAGGCAGCAGTAGGGGAACTTCTCTGCTAGAATGGCTGGCAATGGC
GGTGATGCTGCTCTTGGCTTGGCTGCTGTTGACAGATTGAACAGCTTGAGAGCAAAATGCTGTGTAAGGCCAACAAACAAGGCCAAAATGTCACTAAGAAATCTGC
TGCTGAGGCTTCTAAGAAGCCTCGGCAAAAACGTAAGTCCACTAAAGCATAAATGTAACACAAGCTTTCCGACAGCGTGGTCCAGAACAAACCAAGGAAATTTGGGG
ACCAGAACTAATCAGACAAGGAACTGATTACAAACATTGGCCGCAAAATGCAAAATTTGCCCCAGCGCTTCAGCGTTCTTCGGAATGTCGCGCATTGGCATGGAAGTC
                2019-nCoV_N2-f
                                2019-nCoV_N2-P
                2019-nCoV_N2-R
ACACCTTCGGGAACGTGGAATTCGGCAGGAGTGGGACTTCAGCATGGCGGTGTTTCAGATTGGACCTGCGAGCGGGTCTGACCTGAAGGCTCTGCGCGGACTTGTGG
GAGACAGCCGCTACCTTGGCTATTCAGTTGTTGCTATCAATCATATCGTT
    
```

## RNase P Sequence

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GAATTCGGCAGCAGGTTGGGACTTCAGCATGGCGGTGTTTGCAGATTGGACCTGCGAGCGGGTCTGACCTGAAGGCTCTGCGCGGACTTGTGGAGACAGCCGCCAC
CTTGGCTATTCAGTTGTTGCTATCAATCATATCGTT
    
```

### Primer/Probe Table

Name	Description	Sequence (5'>3')
2019-nCoV_N1-F	2019-nCoV_N1 Forward Primer	GAC CCC AAA ATC AGC GAA AT
2019-nCoV_N1-R	2019-nCoV_N1 Reverse Primer	TCT GGT TAC TGC CAG TTG AAT CTG
2019-nCoV_N1-P	2019-nCoV_N1 Probe	ACC CCG CAT TAC GTT TGG TGG ACC
2019-nCoV_N2-F	2019-nCoV_N2 Forward Primer	TTA CAA ACA TTG GCC GCA AA
2019-nCoV_N2-R	2019-nCoV_N2 Reverse Primer	GCG CGA CAT TCC GAA GAA
2019-nCoV_N1-P	2019-nCoV_N2 Probe	ACA ATT TGC CCC CAG CGC TTC AG
RP-F	RNase P Forward Primer	AGA TTT GGA CCT GCG AGC G
RP-R	RNase P Reverse Primer	GAG CGG CTG TCT CCA CAA GT
RP-P	RNase P Probe	TTC TGA CCT GAA GGC TCT GCG CG

## ORDERING INFORMATION

Part Number	Product Description	Volume	Concentration
52151	Armored RNA Quant SARS-CoV-2*	0.25mL	1x10 <sup>6</sup> cp/mL
52152	Armored RNA Quant RNase P*	0.25mL	1x10 <sup>6</sup> cp/mL

To request a quote or for more information about Armored RNA Quant<sup>®</sup> SARS-CoV-2 | [armored@asuragen.com](mailto:armored@asuragen.com)

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\*For Research Use Only. Not For Use in Diagnostic Procedures.