



## PRODUCT SPECIFICATION

catalog number:	<b>52153</b>
product description:	Armored RNA Quant® SARS CoV-2 Panel  Contains multiple regions of SARS-Cov-2 genome including nucleocapsid, envelope, RNA-dependent RNA polymerase, open reading frame 1ab, and human RNase P as an internal control.
lot number:	[lot specific]
sequence:	<p><b>SARS CoV-2 Open Reading Frame 1ab Sequence:</b> TGGTGCATCGTGTCTGTACTGCCGTTGCCACATAGATCATCAAATCCTAAAGGATTTGTGACTTAAAAGTAAGTATGTA CAAATACCTACAACCTTGCTAATGACCTGTGGGTTTTACACTTAAAAACACAGTCTGTACCGTCTGCGGTATGTGGAAAGGTT ATGGCTGTAGTTGTGATCAACTCCGCGAACCCATGCTTCAGTCAGCTGATGCACAATCGTTTTAAACGGGTTTTCGCGGTGTAAG TGCAGCCCGTCTTACCCGTGCGGCACAGGCACTAGTACTGATGTCGTATACAGGGCTTTGACACTACAATGATAAAGTAGC TGGTTTTGCTAA</p> <p><b>SARS CoV-2 RNA-Dependent RNA Polymerase and Envelope Protein Target Sequence:</b> TG TAGAAAACCTCACCTTATGGGTTGGGATTATCCTAAATGTGATAGAGCCATGCCTAACATGCTTAGAATTATGGCCTCACTT GTTCTTGCTCGCAAACATACAACGTGTTGTAGCTTGTACACCGTTTTCTATAGATTAGCTAATGAGTGTGCTCAAGTATTGAGTG AAATGGTCATGTGTGGCGTTCACTATATGTTAAACCAGGTGGAACCTCATCAGGAGATGCCACAACCTGCTTATGCTAATAGTG TTTTTAACATTTGTCAAGCTGTACGGCCAATGTTAATGCATTTTATCTACTGATGGTAACAAAATTGCCGATAAGTATGTCGCG AATTTACAACACAGACTTTATGAGTGTCTCTATAGAAATAGAGATGTTGACACAGACTTTGTGAATGAGTTTTACGCATATTTGC GTAACATTTCTCAATGATGATACTCTCTGACGATGCTGTTGTGTGTTCAATAGCACTTATGCAGTTGAACATGTTACCTTCTTC ATCTACAATAAAATTGTTGATGAGCCTGAAGAATGTCCAAATTCACACAATCGACGGTTCATCCGGAGTTGTTAATCCAGTA ATGGAAACCAATTTATGATGAACCGACGACGACTACTAGCGTGCCTTTGTAAGCACAAAGCTGATGAGTACGAACCTTATGACTCA TTCGTTTTCGGAAGAGACAGGTACGTTAATAGTTAATAGCGTACTTCTTTTTCTTGCCTTCGTGGTATTCTTGCTAGTTACACTAGC CATCCTTACTGCGCTTCGATTG TGTGCGTACTGCTGCAATATTGTTAACGTGAGTCTGTAAAACCTTCTTTTACGTTTACTCTCGTGTTAAAAATCTGAATCTTCT AGAGTTCTGATCTTCTGGTCTAAACGAACTAAATATTATATTAGTTTTCTGTTTGAACCTTAAATTTAGCCATGGCAGATTCC AACGGTACTATTACCGTTGA</p> <p><b>SARS CoV-2 Nucleocapsid Target Sequence:</b> GAACAACTAAAATGTCTGATAATGGACCCAAAATCAGCGAAATGCACCCCGCATTACGTTTGGTGGACCCTCAGATTCAACT GGCAGTAACCAGAATGGAGAACGCAGTGGGGCGCGATCAAACAACGTCGGCCCCAAGGTTTACCAATAATACTGCGTCTTG GTTACCCTCTCACTCAACATGGCAAGGAAGACCTTAAATCCCTCGAGGACAAGGCGTTCCAATTAACACCAATAGCAGTCC AGATGACCAAATGGCTACTACCGAAGAGCTACCAGACGAATTCGTGGTGGTGACGGTAAAATGAAAGATCTCAGTCCAAGAT GGTATTTCTACTACCTAGGAAGTGGGCCAGAAGCTGGACTTCCCTATGGTGCTAACAAAGACGGCATCATATGGGTTGCAACTG AGGGAGCCTTGAATACACAAAAGATCACATTGGCACCCGCAATCCTGCTAACAAATGCTGCAATCGTCTACAACCTCCTCAAG GAACAACATTGCCAAAAGGCTTCTACGCAGAAGGGAGCAGAGGGCGGAGTCAAGCCTCTTCTGTTCTCATACGTAAGTGC AACAGTTCAAGAAATTAACCTCCAGGCAGCAGTAGGGGAACTTCTCTGCTAGAATGGCTGGCAATGGCGGTGATGCTGCTCT TGCTTTGCTGCTGCTTACAGATTGAACCAGCTTGAGAGCAAAATGTCTGGTAAAGGCCAACAAACAAGGCCAAACTGTCC TAAGAAATCTGCTGCTGAGGCTTCAAGAAGCCTCGGCAAAAACGTAAGTAAAGCCTAAAGCATACAATGTAACACAAGCTTTCCG CAGACGTGGTCCAGAACAACCCAAGGAAATTTGGGGACCAAGGAACTAATCAGACAAGGAACTGATTACAACATTGGCCCG AAATTGCACAATTTGCCCCAGCGCTTACAGCTTCTCGGAATGTCGCGCATTGGCATGGAAGTACACCTTCGGGAACGTTG</p>



Human RNase P Target Sequence:

GAATTCGGCACGAGGTGGGACTTCAGCATGGCGGTGTTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCG  
CGGACTTGTGGAGACAGCCGCTCACCTTGGCTATTCAGTTGTTGCTATCAATCATATCGTT

- form:** Armored technology is a system for producing robust, ribonuclease-resistant RNA controls and standards by assembling specific RNA sequences and viral coat proteins into pseudo-viral particles.
- storage buffer:** TSMIII (10 mM Tris, 100 mM NaCl, 1 mM MgCl<sub>2</sub>, 0.1% gelatin, 0.3% Microcide III, pH 7.0)
- concentration:** 1 x 10<sup>6</sup> copies/mL target RNAs
- total volume:** 0.25 mL
- notes/applications:** The RNA can be extracted from the viral coat protein using the same methods used to extract test specimen RNA or by incubating at 75°C for 3 minutes to release the RNA from the particles.
- manufacture date:** [lot specific]
- expiration date:** [lot specific]
- dilution:** Dilute with TSMIII storage buffer
- storage:** -15°C to -30°C  
We recommend aliquoting into single use vials upon receipt; Armored RNA can withstand 5 freeze thaw cycles.
- country of origin:** USA
- hazard/biohazard:** There is no known hazard or biohazard associated with this product.

Armored RNA Quant<sup>®</sup> is a registered trademark of Asuragen and Cenetron Diagnostics.