



## PRODUCT SPECIFICATION

catalog number:	<b>52160</b>
product description:	Armored RNA Quant® SARS CoV-2 SV2 (Spike Variants V2)  Targets mutations in the SARS CoV-2 spike protein prevalent in the Alpha (B.1.1.7), Beta (B.1.351), Gamma (B.1.1.28), Delta (B.1.617.2), and Omicron (B.1.1.529) strains.
lot number:	[lot specific]
sequence:	SARS CoV-2 Target Sequence with mutations (highlighted): CCCCCTGCATACACTAATTCCTTTCACACGTGGTGTTTATTACCCTGACAAAAGTTTTTCAGATCCTCAGTTTTACATCAACTCAG GACTTGTTCTTACCTTTCTTTCCAATGTTACTTGGTTCATGCTAT[ACATGdel]CTCTGGGACCAATGGTACTAAGAGGTT TGATAACCCTGTCTACCATTTAATGATGGTGTTATTTGCTTCCACTGAGAAGTCTAACATAATAAGAGGCTGGATTTTTG GACTACTTTAGATTGGAAGACCCAGTCCCTACTTATTGTTAATAACGCTACTAATGTTGTTATTAAGTCTGTGAATTTCAAT TTTGTAAATGATCCATTTTTGGGTGTTTATTACCACAAAAACAACAAAAGTTGGATGGAAAAGT[AGTTCdel]GAGTTTATTC TAGTGCGAATAATTGCACTTTTGAATATGTCTCTCAGCCTTTTCTTATGGACCTTGAAGGAAAACAGGGTAATTTCAAAAATC TTAGGGAATTTGTGTTAAGAATATTGATGGTATTTTAAAATATATTCTAAGCACACGCTATTAATTTAGTGCGTGATCTC CCTCAGGGTTTTTCGGCTTTAGAACCATTGGTAGATTTGCCAATAGGTATTAACATCACTAGGTTCAAACTTACTTGCTTT ACATAGAAGTTATTTGACTCCTGGTGATTCTTCTCAGGTTGGACAGCTGGTGCTGCAGCTTATTATGTGGGTTATCTTCAAC CTAGGACTTTTCTATTAATAATAATGAAAATGGAACCATTACAGATGCTGTAGACTGTGCACTTGACCCTCTCAGAAAC AAAGTGACGTTGAAATCCTTCACTGTAGAAAAAGGAATCTATCAAACCTTAACTTTAGAGTCCAACCAACAGAATCTATT GTTAGATTTCTAATAATTACAAACTGTGCCCTTTTGGTGAAGTTTTAACGCCACAGATTTGCATCTGTTTATGCTTGGAAAC AGGAAGAGAATCAGCAACTGTGTGCTGATTATTCTGCTATATAAATCCGCATCATTTTCCACTTTTAAAGTGTATGGAGT GTCTCCTACTAAATTAATGATCTCTGCTTACTAATGTCTATGCAGATTCATTTGTAATTAGAGGTGATGAAGTCAGACAAA TCGCTCCAGGGCAAACCTGGAAGATTGCTGATTATAAATTAAATACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAA TTCTAACAACTTCTGATTCTAAGGTTGGTGGTAATTATAATTACGGTATAGATTGTTTAGGAAGTCTAATCTCAAACCTTTG AGAGAGATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGAATGGTGTAAAAGGTTTTAATTGTTACTTTCCTTTA CAATCATATGGTTTTCAACCCACTTATGGTGTGGTTACCAACCATACAGAGTAGTAGTACTTTCTTTGAACTTCTACATGC ACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAATGTGTCAATTTCAACTTCAATGGTTTAAAC GGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTCTGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATG CTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACCCATGTTCTTTGGTGGTGTGAGTGTATAACACCAGGAACA AATACTTCAACCAGGTTGCTGTTCTTTATCAGGGTAACTGCACAGAAGTCCCTGTTGCTATTCTATGCAGATCAACTTAC TCTACTTGGCGTGTATTCTACAGGTTCTAATGTTTTTCAAACACGTGCAGGC [69-70del] [156-157del] K417N E484K 452R N501Y D614G
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.

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