PRODUCT SPECIFICATION

catalog number: **52108**

product description: Armored RNA Quant® Respiratory Triplex Control

Contains regions of SARS-Cov-2, Influenza A (H1N1, H3N2, and H7N9), Influenza B, Respiratory Syncytial Virus A (RSVA), Respiratory Syncytial Virus B (RSVB), and RPP30 as an internal control.

lot number: [lot specific]

sequence:

SARS CoV-2 Nucleocapsid Target Sequence:

GAACAAACTAAAATGTCTGATAATGGACCCCAAAATCAGCGAAATGCACCCCGCATTACGTTTGGTGGACCCTCAGATTCAACT
GGCAGTAACCAGAATGGAGAACGCAGTGGGGCGCGATCAAAACAACGTCGGCCCCAAGGTTTACCCAATAATACTGCGTCTTG
GTTCACCGCTCTCACTCAACATGGCAAGGAAGACCTTAAATTCCCTCGAGGACAAGGCGTTCCAATTAACACCAATAGCAGTCC
AGATGACCAAATTGGCTACTACCGAAGAGCTACCAGACGAATTCGTGGTGGTGACGGTAAAATGAAAGATCTCAGTCCAAGAT
GGTATTTCTACTACCTAGGAACTGGGCCAGAAGCTGGACTTCCCTATGGTGCTAACAAAGACGGCATCATATGGGTTGCAACTG
AGGGAGCCTTGAATACACCAAAAGATCACATTGGCACCCGCAATCCTGCTAACAATGCTGCAATCGTGCTACAACTTCCTCAAG
GAACAACATTGCCAAAAGGCTTCTACGCAGAAGGGAGCAGAGGCGGCAGTCAAGCCTCTTCTCGTTCCTCATCACGTAGTCGC
AACAGTTCAAGAAATTCAACTCCAGGCAGCAGTAGGGGAACTTCTCCTGCTAGAATGGCTGGCAATGGCGGTGATGCTGCTCT
TGCTTTGCTGCTGCTTGACAGATTGAACCAGCTTGAGAGCAAAATGTCTGGTAAAGGCCAACAACAACAAGGCCAAACTGTCAC
TAAGAAATCTGCTGCTGAGGCTTCTAAGAAGCCTCGGCAAAAACGTACTGCCACTAAAGCATACAATGTAACACAAGCTTTCGG
CAGACGTGGTCCAGAACAAACCCAAGGAAATTTTGGGGACCAGGAACTAATCAGACAAGGAACTGATTACAAACATTGGCCGC
AAATTGCACAATTTGCCCCCAGCGCTTCAGCGTTCTTCGGAATGTCGCGCATTGGCATGGAAGTCACACCTTCGGGAACGTG

Flu A and B Target Sequence:

ACGCGTGATCAGCAGAAGCAGGGGTTTAATTCTCATGGAATGGCTAAAGACAAGACCAATCTTGTCACCTCTGACTAAGGGAA
TTTTAGGATTTGTGTTCACGCTCACCGTGCCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTATCCAAAATGCCCTAAATGGAA
ATGGGGACCCGAACAACATGGATAGAGCAGTTAAACTATACAAGAAGCTCAAAAGAGAAATAACATTCCATGGGGCCAAGGA
GGTGTCACTAAGCTATTCAACTGGTGCACTTGCAAGTTGCATGGGCCTCATATACAACAGAATGGGAACAGGCCTGCTTGTGTG
TATGGGCTTGCAGTAGCAAGTGGCCATGACTTTGAAAGGGAAGGGTACTCACTGGTCGGGATAGACCCATTCAAATTACTCCA
AAACAGTCAAGTGGTCAGCCTGATGAGACCAAATGAAAATCCAGCTCACAAGAGTCAATTGGTATGGATGGCATCAACTTGTC
AGACAGCCGAGGGTGCTATAAACACCAGCCTCCCATTTCAGAATGTACATCCGGTCACAATTGGGAAATGTCCAAAGTATGTAA
AAAGCACAAAATTGAGGCTGGCCACAGGATTGAGGAATGTCCCGTCTATTCAATCTAGAGGCCTATTCTGAATGCATCACTCCA
AATGGAAGCATTCCCAATGACAAACCATTCCAAAATGTAAACAGGATCACATACGGGGCCTGTCCCAGATATGTTAAGCATAGC
ACTCTGAAATTGGCAACAGGAATGAGAAATATACCAGAGAAACAAACTAGGGGCATATTTGGCGCAATAGCGGGTTTCATAGA
AAATGGGGTATGGTTTCAGACACCAGAATGCACAGGGAGAGGGAACTGCTGCAGATTACAAAAGCACTCAATCGGCAATTGA
TCAAATAACAGGGAAATTAAACCGGCTTATAGCAAAAACCAACCAACAATTTAAGTTGATAGACAATGAATTCAATGAGGTAG
AGAAGCAAATCGGTAATGTGATAAATTGGACCAGAGATTCTATAACAGAAGTATGGTCATACAATGCTGAACTCTTGGTGGCA
ATGGAGAACCAGCATACAATTGAGAGGATGAAGAAGATGGCCATCGGATCCTCAACTCACTCTTCGAGCGTCTCAATGAAGGA
CATTCAAAGCCAATTCGAGCAGCTGAAACTGCGGTGGGAGTCTTATCCCAATTTGGTCAAGAGCACCGATTATCACCAGAAGA
GGGAGACCAATGGTTTTGTGCTCGGCAGATGGGAGAGATGGTGTGGAGATATAAAGACCACAATTATGCCTGAAATTGACTC
GATGGAAAAAGATATTGCCCTCTCTAGGGAGAGACTTGACCTGGGAGAGGATGCCCCTGACGAAACCGACAACTCACCAATTC
CTTTTTCCAATGATGGC

RNaseP Target Sequence:

GCGGTGTTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGACTTGTGGAGACAGCCGCTCACCTTGG
CTATTCAAAATCCCCTTGCTACTGCTGATCACGCGT

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RSVA Target Sequence:

CCTGTGAATATGGGAGGTTTCATCAAATGTATCTCATTAAGCTTAGGTATGAGAATAATTCTGTTAGGACATACATTAGTAAATT
GTTCTACTACTGACATTAAACTAAGGCCAAAGCTTATACAGTTTTGGAATACTATGTCAATATCTTCATCACCATACTTTTCTGTTA
ATATGCGATTAATAGGGCTAGTGTCAAAGTGATAATTTGTTGTTCTATAAGCTGGTATTGATGCAGGGAATTCACATGGTCTACT
ACTGACTGTAAGGCGATGCAAATAATTGACACTTAAATATTGTGGAAATAATTTCTTGGCCTTTTCATATGTTAACCCAAGGGTT
CCTATGCTGAGTTCTTCCATGAATTCATCCTTGTTATCTATAGATGCATACACCCAATCCAATTTTGCTAATAGATCTATTTGATCT
CTCTGTTTTTTTGGTTAAGACTTGTCTATTATAAACTGGCATTGTTTTTTTCTCTTGTGTAGATGAACCAACCCATGGTTTAGTGG
GTCCTCTCTCACCACGTGTTAAACTGTTAACATTATATTTCTCTATAATTATGCCACTAGATATAGTGCTTGTA

RSVB Target Sequence:

TGATGATTTTTGATCAGTGATCAACTCACTCAGCAATCAACAACATCAATAAAACAGACACCAATCCATTGAATCAATTGCCAGA
CTGAAAAAACAAACATCCATCAGCAGAACCACCAACCAATCAATCAACCAATTGATCAATCAGCACCCTGACAAAATTAACAAT
ATAGTAACAAAAAAAGAACAAGATGGGGCAAATATGGAAACATACGTGAACAAGCTTCACGAAGGCTCCACATACACAGCAG
CTGTTCAGTACAATGTTCTAGAAAAAGATGATGATCCCGCATCACTAACAATATGGGTGCCTATGTTCCAGTCATCTGTGCCAGC
AGACTTGCTCATAAAAGAACTTGCAAGCATCAACATACTGGTAAAGC

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 MgCl2, 0.1% gelatin, 0.3% Microcide III, pH 7.0)
concentration:	1 x 10^8 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 withstan
country of origin:	USA
hazard/biohazard:	There is no known hazard or biohazard associated with this product.

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