



PRODUCT SPECIFICATION

catalog number:	49659
product description:	Armored RNA Quant® Pentavalent Arbovirus Control (PVC-1) Targets regions of Chikungunya, Dengue, West Nile, Yellow Fever, and Zika arboviruses.
lot number:	[lot specific]
sequence:	<p>Chikungunya Target Sequence: CCGACTCAACCATCCTGGATTTGCCAGCAAGGAGGATGATGTCGGACAGGAAGTACCACTGCGTCTGCCTTCATCTGCACCCA AGTGTACCATTGCGGTGTACTGCTGTGACCGCTTCATTACGAAGGCAAATGCGCTTGAGCATATGGTTACGCAGATAGT TACGAGTCATCTGCGTATTGGGACGCATTGAAACCACCATGTGTACCAGCATTGTACTGGCAGCAGCCACGTTAACGTCACA CAGATGAGTTGAATTTGCTGCCAGCCCTATTTGAAAAGGAACCGGAGGAAACCCTACGCATGCTTGATTAACGTCATGAGAC CTGGTACTACTTAAGCTCCGCTCCTTTACCAAGTTCCAATGTCTTCAGCCTGGACACCTTTTAGGAAGACCAGGACAATTT GGTTGTCACATACCACCTCGTTGGGACTGGTTGTTGCTGTTGCCCTTAGGTATATGTGCCCTAAGAGACA</p> <p>Dengue Target Sequence: TTCAGATCTCTGATGAACAACCAACGTTATATGCTGAAACGCGGAGTTGTTGGCGAAGAGATTCTCAAATTCAAAAGGAAGT CGTGCAATATTCATGTGGCTGGGAGCAGCTTGTTTAGTAGAGAGAATTCACCTCAGTTGACTAGTGGTTAGAGGAGACCCCTC CCTAAGGACTAGAGGTTAGAGGAGACCCCTTACAGCATATTGACGCTGGGAGAGACCAGAGATCCTGCTGTCTACAGCA TCATTCAGGCACAGAACGCCAGAAAATGGAATG</p> <p>West Nile Target Sequence: GTTTAGTAGTTCGCCTGTGTGAGCTGACAACTTAGTAGTGTGTTGTGAGGATTTTTGCGAGCTGTTTCTAGCACGAAGATCTC GATGTCTAAGAAACCAGGAGGGCTGGCTGTCAATATGCTAAAACGCTTCTACCGTCAGCGATCTTTCATGGGAGAAGCTCA CTTCAAACGTGCTGACCCAGTTCCTTTTCAGTTGGGCCCTTCTGGTCGTGTTCTTCCACCCAGGAGGTCCTTCGCAAGAGGTGGA CAGCCAAGATCAGCATGCCAGCTTTTGGGGCATTACTTACACTGTTTCGCTGTCCCTGTGAATTTGTTGGTCCATCCATGCAGG AGGAGAGTTGCTGGAACCGTGTGTTGGTTCCACCGGAAAGTTGAGTAGACGGTGTGCTGCGACTCAACCCAGGAGGACTG GGTGAACAAATTCATGTAAGCCCTCAGAACCGTCTCGC</p> <p>Yellow Fever Target Sequence: AAGGTTGCTAATTGAGGTGCATTGGTCTGCAAATCGAGTTGCTAGGCAATAAACACTTATCGTTGTTGAGCGATTAGCAGAG AACTGACTTTCTGGTCGTAAGCTCAGGGATTACAACATGATGGGGAAAAGAGAGAATTTGGTACATGTGGCTGGGAGCTTC GCGGATGACACCGCTGGATGGGACACGTGCACGGATGTGACAGACTGAAAATTCGATTGTGTTGTCGGGCCCATCGATGACA GGTTCG</p> <p>Zika Target Sequence: GCCTGGTTTGGTCATGATACTGCTGATTGCCCCGCATATAGCATCAGGTGCATAGGAGTCAGCAATAGGGACTTTGTGGAAG GTAGCCGCTGCCCAACACAAGGTGAAGCCTACCTTGACAAGCAATCAGACACTCAATATGTCTGCAAAAAGAACGTTAGTGGTT TGGCAAAGGGAGCCTGGTGTAAAGTTTGCATGCTCCAAGAAAATTACCGGAAGAGCATCCAGCCAGATATCTGGAGTACCGG ATAATGCTGTCAACCACTGCAAGCGGAAGGTTATGGTGTGTCAGGGAGTGCACAATGCCCCACTGTGCTTCCGGGCTAAAGA TGGCTGTTGGTATGGAATGGAGATAAGGCCATCTGTGGCATGAACCAATAGTCTTTGCAGCTGGAGCGTGGTGGAGTGG TGCTCTATGGGATTCAGCTGGCATCATGAAGAACCCTGTTGTGGATGGAATAGTGGTTGGAGAAAAAGATGGGACAGGTGTT ACGCTCAGAGTCTCTCATGTTTGTGCCATACACCAGTTGATGGAAACCCTGGAGCGACTTAAGTACACATACAAAACAAA GTGGTTTCTTAGACCAGCTGAAATTCAGACCAAAGGGGGAGCGGATCTCAATGTTGTCAGGCCTGCTAGTCAGCCACAGTTT GGGAAAAGCTGTGCAGCCTGTAACCCCCAGGAGAAGCTGGGAAATCAAGCTC</p>



- 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 10⁸ copies/mL target RNAs
- total volume:** 0.5 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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