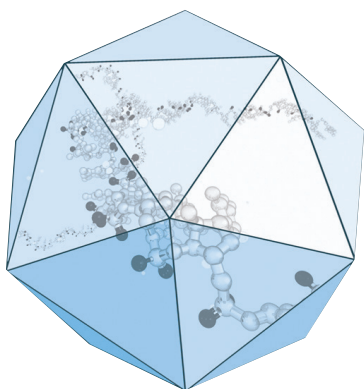


CUSTOM REAGENTS CATALOG



Asuragen provides high quality, custom reagents by leveraging a combination of IP and manufacturing expertise. Our suite of custom products includes Armored RNA[®], Armored RNA Quant[®], Armored DNA Quant[™], plasmid DNA (circular and linearized) and *in vitro* transcribed RNA; providing unique, target-specific controls to meet your needs.

REDUCED COMPLEXITY

Flexible: Almost all nucleic acid sequences can be encapsulated, offering a unique, standardized option for assay controls across a wide range of targets

Safe: Synthetic and non-infectious Armored products simplify shipping and storage while maximizing cost savings

OPTIMIZED WORKFLOW

Scalable: From Evaluation to cGMP manufactured lots, Armored products can be incorporated at any stage of the assay development process

Stable: Degradation resistance in the majority of biological matrices and compatible with most assays, ensures suitability in most assays with little to no workflow disruption

QUALITY PERFORMANCE

Reliable: Highly standardized, quality controlled and proven manufacturing conditions provide consistent and reliable products

Collaborative: Custom manufacturing allows clients the ability to design products to meet an exact target.

CUSTOM MANUFACTURING CAPABILITIES

Asuragen's cGMP manufacturing facility can provide Custom Target Armored RNA up to 2500 base pairs and DNA up to 500 base pairs. Our extensive Quality Control measures allow Asuragen to provide products at any step of the manufacturing process, including Plasmid DNA (Circular or Linearized) and *in vitro* Transcribed RNA. Custom targets are available in three different grades: Evaluation, Development, and cGMP. Manufacturing of these targets range from 6-12 weeks depending on complexity and grade.

ORDERING INFORMATION

CATALOG PRODUCTS AVAILABLE FOR IMMEDIATE SUPPLY

ARMORED RNA®	Part Number	Volume
Hepatitis G Virus	42024	250 µL
Enterovirus	42050	250 µL
ARMORED RNA QUANT®	Part Number	Volume
Enterovirus (5x10 ⁵ cp/mL)	42102	5 x 100 µL
Zika Virus (5x10 ⁵ cp/mL)	49610	500 µL
Internal Process Control (2x10 ⁶ cp/mL)	49650	500 µL
Pentavalent Control (1x10 ⁸ cp/mL) CHIKV, DENV, WNV, YFV, ZIKV	49659	500 µL
EPA-1615 (1x10 ¹² cp/mL)	52000	500 µL
SARS-CoV-2 (1x10 ¹¹ cp/mL)	52030	250 µL
RNase P Construct (1x10 ¹¹ cp/mL)	52031	250 µL
SARS-CoV-2 Panel (1x10 ¹¹ cp/mL) N, E, RdRp, ORF, RNase P Region	52036	250 µL
ARMORED DNA QUANT®	Part Number	Volume
Internal Process Control (1x10 ⁸ cp/mL)	52003	500 uL
BUFFER	Part Number	Volume
RNA Retain Buffer	49536	2L
TSMIII Buffer	49600	50mL

MADE-TO-ORDER DEFINED TARGET ARMORED PRODUCTS

Asuragen has the capability to rapidly manufacture a number of previously designed Armored Products using established inventory. Manufacturing for these defined targets will require 4-6 weeks.

ARMORED RNA®	Part Number	ARMORED RNA®	Part Number
HIV (Subtype B)	42000	Norwalk Virus (Genogroup I)	42030
Hepatitis C Virus (GT 1a)	42004	Norwalk Virus (Genogroup II)	42032
Hepatitis C Virus (GT 1b)	42006	West Nile Virus (HNY1999)	42040
Hepatitis C Virus (GT 2a/c)	42008	West Nile Virus (NEN)	42041
Hepatitis C Virus (GT 2b)	42010	West Nile Virus (Cap)	42042
Hepatitis C Virus (GT 3a)	42012	SARS (BNI-1)	42090
Dengue Virus (Type I)	42044	SARS (CoV-NC)	42091
ARMORED RNA QUANT®	Part Number		
HIV (Subtype B)			42103
Hepatitis C Virus (GT 2b)			42101

For more information please contact armored@asuragen.com



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Armored RNA Quant® is a technology developed jointly by Ambion, Inc. and Cenetron Diagnostics, LLC (US patents #5,677,124, #5,919,625, #5,939,262, #6,214,982, and #6,399,307). Armored RNA Quant® is a registered trademark of Ambion and Cenetron Diagnostics. For Research Use Only. Not For Use in Diagnostic Procedures.

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