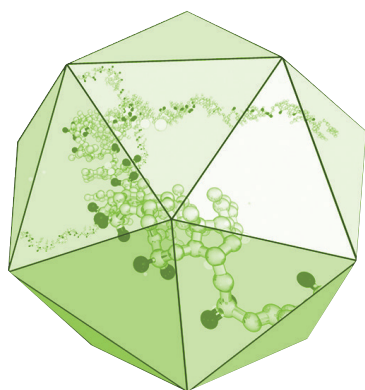


Catalog—
MolecularDX
Controls



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*	Concentration	Part Number	Volume
Hepatitis G Virus	-	42024	250 µL
Enterovirus	-	42050	250 µL
ARMORED RNA QUANT*	Concentration	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 CHIKV, DENV, WNV, YFV, ZIKV	(1x10 ⁸ cp/mL)	49659	500 µL
EPA-1615	(1x10 ¹² cp/mL)	52000	500 µL
SARS-CoV-2	(1E6 copies/mL)	52151	250 µL
RNase P Construct	(1E6 copies/mL)	52152	250 µL
SARS-CoV-2 Panel N, E, RdRp, ORF, RNase P Region	(1E6 copies/mL)	52153	250 µL
SARS-CoV-2 SV2	(1E6 copies/mL)	52160	250 µL
ARMORED DNA QUANT™	Concentration	Part Number	Volume
Internal Process Control	(1x10 ⁸ cp/mL)	52003	500 µL
BUFFER	Concentration	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 aus.armored@bio-techne.com

Armored RNA Quant* is a registered trademark of Asuragen and Genetron Diagnostics.