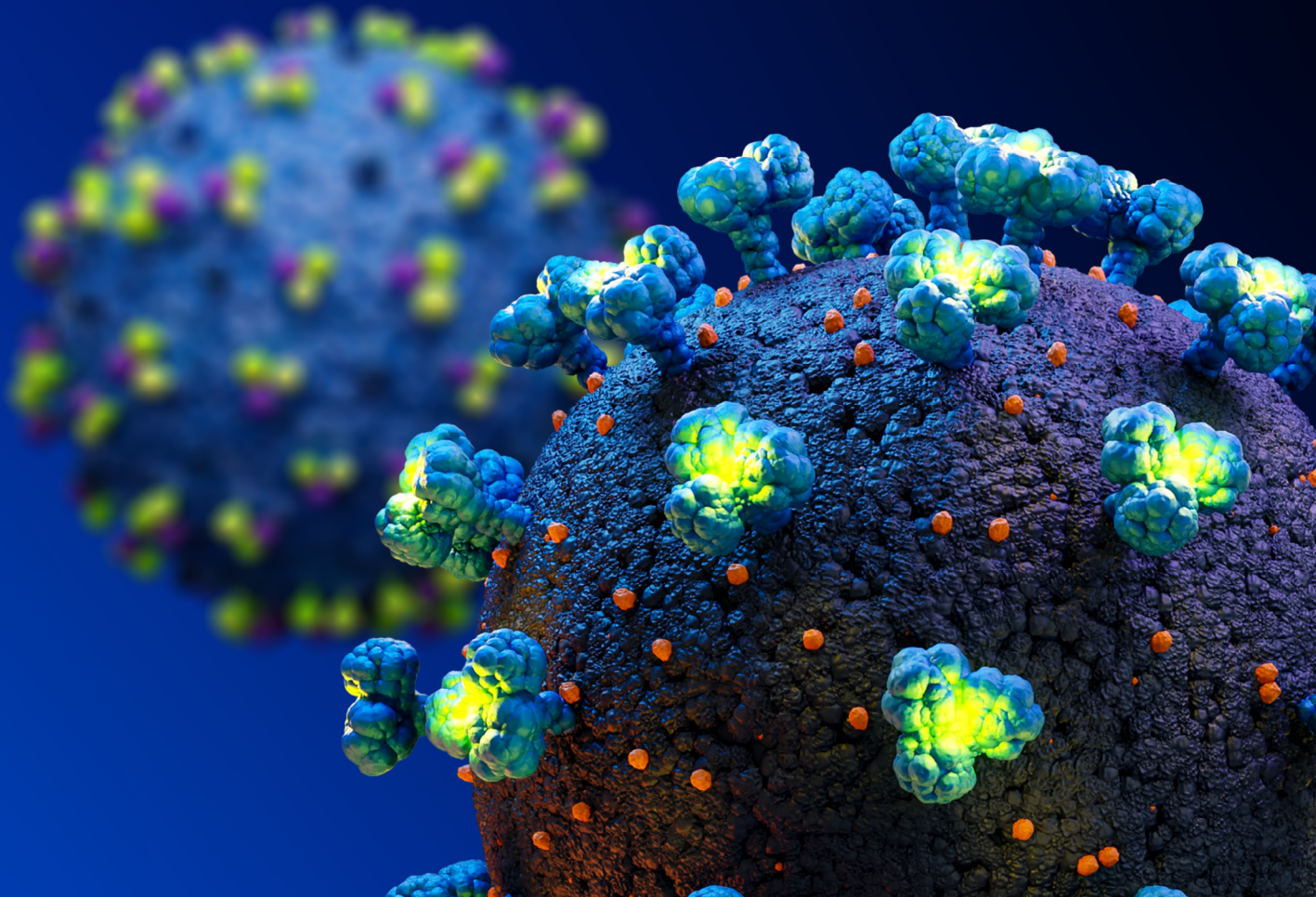


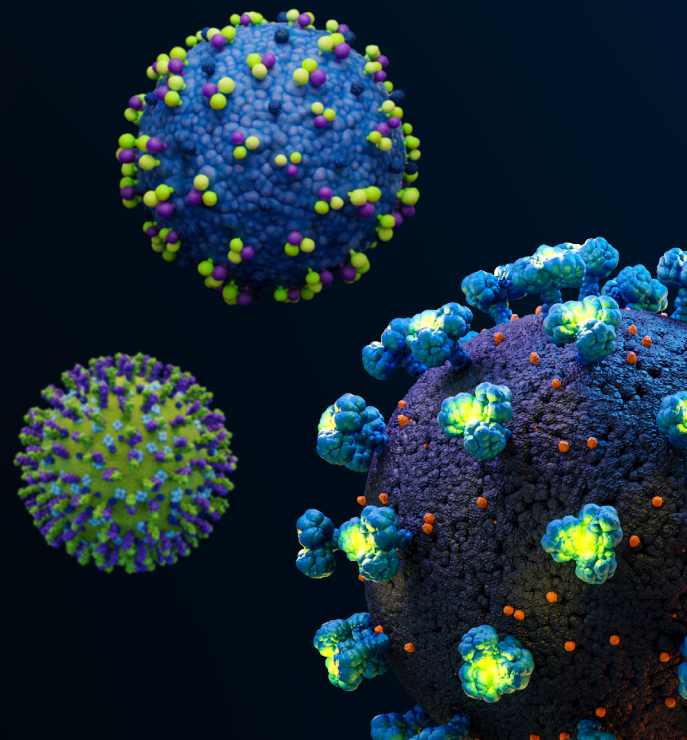
biotechne®

MolecularDx Controls Catalog





- Armored RNA®
- Armored RNA Quant®
- Armored DNA Quant™
- Plasmid DNA
- *In Vitro* Transcribed RNA



Armored Molecular Controls

Our suite of molecular controls 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.

Armored technology stabilizes and protects nucleic acids from nuclease degradation by packaging them in a protective protein coat.

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

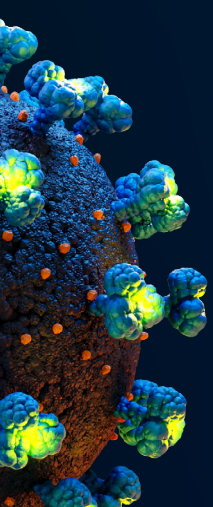
- **Scalable:** From Evaluation to cGMP manufactured lots, Armored products can be incorporated at any stage of the assay development process
- **Stable:** Degradation resistance in the majority of biological matrices and compatible with most assays, ensures suitability in most assays with little to 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 nucleotides and Armored 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.



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
Internal Process Control	2x10 ⁶ cp/mL	49650	500 µL
SARS-CoV-2	1x10 ⁶ cp/mL	52151	250 µL
SARS-CoV-2 Panel N, E, RdRp, ORF, RNase P	1x10 ⁶ cp/mL	52153	250 µL
SARS-CoV-2 Spike Variants Alpha, Beta, Gamma, Delta, Omicron	1x10 ⁶ cp/mL	52160	250 µL
Respiratory Triplex Control FLU A/B, RSV, RSVB, RNase P	1x10 ⁸ cp/mL	52108	250 µL
Enterovirus	5x10 ⁵ cp/mL	42102	5 x 100 µL
Pentavalent Arbovirus Control CHIKV, DENV, WNV, YFV, ZIKV	1x10 ⁸ cp/mL	49659	500 µL
EPA-1615 Enterovirus, Norovirus GI/GII	1x10 ¹² cp/mL	52000	500 µL
Zika Virus	5x10 ⁵ cp/mL	49610	500 µL
RNase P Construct	1x10 ⁶ cp/mL	52152	250 µL
Armored DNA Quant™	Concentration	Part Number	Volume
Internal Process Control	1x10 ⁸ cp/mL	52003	500 µL
Mpox/Non-Variola Orthopoxvirus MPXV, NVO, RNase P	high cp/mL & low cp/mL	49670	500 µL
Buffer	Concentration	Part Number	Volume
RNA Retain Buffer	-	49536	2 L
TSMIII Buffer	-	49600	50 mL

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
HIV (Subtype B)	42000
Hepatitis C Virus (GT 1a)	42004
Hepatitis C Virus (GT 1b)	42006
Hepatitis C Virus (GT 2a/c)	42008
Hepatitis C Virus (GT 2b)	42010
Hepatitis C Virus (GT 3a)	42012
Dengue Virus (Type I)	42044
Norovirus GI	42030
Norovirus GII	42032
West Nile Virus (HNY1999)	42040
West Nile Virus (NEN)	42041
West Nile Virus (Cap)	42042
SARS (BNI-1)	42090
SARS (CoV-NC)	42091

Armored RNA Quant®	Part Number
Bacteriophage MS2	52223
Beta-Actin (ACTB)	52225
Ebolavirus	52217
Glucuronidase Beta (GUSB)	52224
Hepatitis C Virus (GT 2b)	42101
Hepatitis D Virus	52212
HIV (Subtype B)	42103
Human Papillomavirus 16	52219
Human Papillomavirus 18	52220
Sudan Ebolavirus	52218



Contact Us:

bio-techne.com/diagnostics/molecular-quality-controls

biotechne[®]

Global Developer, Manufacturer, and Supplier of High-Quality Reagents,
Analytical Instruments, and Precision Diagnostics.

INCLUDES R&D Systems[™] Novus Biologicals[™] Tocris Bioscience[™] ProteinSimple[™] ACD[™] ExosomeDx[™] Asuragen[™] Lunaphore[™]

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