

ASURAGEN CUSTOM REAGENTS FREQUENTLY ASKED QUESTIONS

FAQs

What is the recommended storage temperature for your custom reagents?

- Plasmid DNA (-15 to -30 °C)
 - Linearized DNA (-15 to -30 °C)
 - *In vitro* transcribed RNA (-70 to -85 °C)
 - Armored RNA (2-8 °C)
 - Armored RNA/DNA Quant (-15 to -30 °C)
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What is the recommended storage solution for your custom reagents?

- Plasmid DNA - TE (10mM Tris-HCl pH 8.0, 1 mM EDTA)
 - Linearized DNA - TE (10mM Tris-HCl pH 8.0, 1 mM EDTA)
 - *In vitro* Transcribed RNA -variable (sodium citrate, 0.1 mM EDTA, nuclease-free water, or as defined by the customer)
 - Armored RNA - TSM (10mM Tris, 100mM NaCl, 1mM MgCl₂, pH 7.0)
 - Armored RNA/DNA Quant - TSMIII storage buffer (10 mM Tris pH 7.0, 100 mM NaCl, 1 mM MgCl₂, 0.3% Microcide III and 0.1% gelatin; pH7.0)
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Do your custom reagents remain stable upon freeze-thawing?

Freeze-thaws should be kept to a minimum for all nucleic acid reagents. It is recommended to distribute into aliquots upon receipt. We can perform this for you, if necessary, through our filling procedure. Armored reagents should not be subjected to more than five freeze-thaw cycles.

Are your custom reagents assigned expiration dates?

- No expiration date is applied to custom reagents unless specified by customer
 - It is the customer's responsibility to apply expiration dating based on their own stability program
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How do you quantify your reagents?

- Plasmid DNA (UV spectroscopy)
 - Linearized DNA (UV spectroscopy)
 - *In vitro* transcribed RNA (UV spectroscopy)
 - Armored RNA (UV spectroscopy)
 - Armored RNA/DNA Quant (analytical phosphate assay that utilizes a NIST-traceable standard)
 - Customer-defined quantification methods will be considered
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FAQs

Can your reagents be subdivided into smaller volumes?

All of our reagents can be filled to a customer-specified volume per tube

Can your reagents be formulated to a specific concentration?

- Plasmid DNA (filled as-is or formulated to ≤ 0.1 mg/mL)
 - Linearized DNA (filled as-is or formulated to ≤ 0.1 mg/mL)
 - *In vitro* transcribed RNA (filled as-is or formulated to ≤ 2.0 mg/mL)
 - Armored RNA (filled as-is or formulated to ≤ 0.25 mg/mL)
 - Armored RNA Quant (can be formulated to any concentration equal to or below $1.0E+12$ copies/mL)
 - Armored DNA Quant (can be formulated to any concentration equal to or below $1.0E+10$ copies/mL)
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What is the lead time for delivery of your reagents?

An average turn-around time for custom reagent delivery is 8-12 weeks. Timelines are dependent on project complexity and resource availability.

How are your reagents prepared for shipment?

All of our products are shipped on dry ice unless another shipping format is specified by the customer

Is simple heat treatment sufficient to release template DNA/RNA from Armored particles?

Yes, incubation for at least 5 minutes at 75 °C is sufficient to release the DNA/RNA from the protective pseudo-capsid for direct analysis. Armored reagents are also compatible with most DNA/RNA extraction methods.

How does Asuragen control for contamination?

- Restricted laboratory access and laboratory gowning procedure
 - Physically and spatially segregated equipment and manufacturing processes
 - Dedicated Master Cell Bank
 - All open work performed in ISO Class 5 enclosures
 - Rigorous cleaning regimen: weekly, before and after material manipulation
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What is the process for manufacturing your reagents?

We are happy to share a basic workflow of our process. Please contact us for more information.

For more information about Asuragen Custom Reagents
Contact | armored@asuragen.com



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