

Shipping & Packaging Guidelines

Instructions for sending samples to AmbioGen

Please read these instructions carefully before shipping samples. Proper packaging and temperature control are critical to sample integrity. Contact us if you have any questions — we are happy to help.

Packaging Requirements

All samples must be shipped using a three-layer (triple) packaging system:

Layer	What it is	Example	Requirements
Primary	Tube or plate holding the sample	Tubes or 96-well plate	Sterile, tightly sealed and leakproof
Secondary	Sealed, durable container holding the primary layer	Sealed plastic bag or container (e.g. FluidX)	Leakproof; must contain absorbent material
Outer	The final shipping box	Styrofoam box	Rigid — protects contents from physical damage

Temperature Requirements

Select the correct temperature and coolant for your sample type:

Sample Type	Required Temperature	Coolant
Extracted DNA	Room temperature or chilled (4°C)	None (ambient) or gel packs (chilled)
Extracted RNA	Frozen (-80°C)	Dry ice
Raw Samples (swabs, fecal, tissue, blood, etc.)	Frozen (-80°C) or chilled (4°C)	Dry ice or gel packs

Special instructions for dry ice shipments

- Use enough dry ice — typically 5–10 kg — to last at least 72 hours of transit.

- Place dry ice in the Styrofoam outer box.
- Apply the **UN1845** (Dry Ice) label on the outer package and state the net weight (e.g. "Dry Ice, 5 kg").

Step-by-Step Shipping Guide

Step 1 — Preparation

Action	Details
Complete submission form	Ensure all sample IDs on the form match the physical labels.
Prepare the samples	Verify correct labelling and layout. Use barcodes where possible — avoid hand-written labels.
Check GDPR compliance	Confirm that no personal data (names, personal ID numbers) appears on tubes or inside the box.
Arrange shipping / pick-up	Select your shipping method and book collection. Notify us after booking.

Step 2 — Packaging

Action	Details
Seal primary receptacles	Ensure all tubes and plates are tightly sealed.
Add absorbent material	Place sufficient absorbent material in the secondary container to absorb all liquid in case of leakage.
Place in secondary container	Put the primary receptacles into the leakproof secondary container and seal it.
Add coolant	Place the secondary container in the outer box with the appropriate coolant (gel packs or dry ice).
Seal outer box	Close and seal the outer box securely; apply all required labels.

Step 3 — Labelling and final checks

Action	Details
Biological sample label (if applicable)	For raw biological samples, place the UN3373 label on the outside of the box — "Biological substance, Category B".
Dry ice label (if applicable)	Apply the UN1845 label and state the net weight of dry ice (e.g. "Dry Ice, 5 kg").
Shipping address	AmbioGen Visionsgatan 56, 169 70 Solna C/O: Cancercentrum Karolinska (R8:00)

Action	Details
Sender's contact	Write the sender's name and contact details on the outside of the box.
Notify AmbioGen	Email us with the shipment tracking number immediately after shipping.

Contact

For questions about shipping, packaging, or sample handling, please contact us before sending your samples. We are happy to help coordinate pickup and ensure your samples arrive safely.