

Tips for Packing Your Sample Cooler

Here are 10 cooler packing tips to help you protect your samples from damage and hold samples within the recommended* temperature range of $\leq 10^{\circ}\text{C}$, without freezing, during transportation.

1 Ice Packs vs Natural Ice

Use ice packs when transporting samples that are contained in a plastic bag or in TD tubes, as these require controlled cooling without direct contact with melting ice. For all other types of samples, use natural ice instead.



2 Fill the Cooler

Ice should occupy at least one third of the cooler's space.



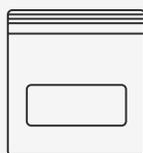
3 Avoid Dry Ice

Never use dry ice. It creates a safety hazard and may result in compromised sample integrity by freezing samples solid and/or shattering sample bottles/jars.



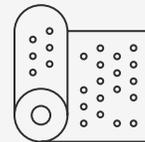
4 Seal Containers Properly

Ensure each container is tightly sealed and placed in water-tight plastic bags (preferably bubble bags) to prevent water damage to the samples and labels.



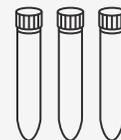
5 Use Bubble Wrap

Bubble bags or bubble wrap are ideal for glass containers. The trapped air provides extra insulation to keep samples cold and adds cushioning.



6 Isolate Each Container

Separate each sample container with non-absorbent packing material to prevent glass containers from breaking.



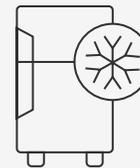
7 Positioning of Containers

Do not stack glass containers or lay them on their sides.



8 Pre-Chill Samples

If samples are above ambient temperature when collected, place them in the fridge for a few minutes before packing.



9 Use AGAT Coolers

AGAT coolers are selected for their superior insulation specifications.



10 Packing Cooler

Do not over-pack coolers. Not only can it lead to insufficient cooling/temperature maintenance of the cooler, but stuffing the coolers full can lead to damage of samples and breaking of glass bottles.

* confirm regulatory, method, or sample-specific requirements with your AGAT representative.

For further tips on avoiding sampling flags and ensuring the integrity of your samples during transport, please contact your **Client Service Representative**.