

TepoFlex® Freeze & Thaw

Frequently Asked Questions (FAQs)

Are TepoFlex® 2D biocontainers suitable for freezing to -20°C?

TepoFlex® 2D biocontainers are suitable for freezing down to -80°C. The packaging system that supports the filled assembly and operating procedures during freezing, potential transport, and thawing should also be qualified for the application by the user.

Can I customize the container design to integrate into existing freeze-thaw workflows?

Absolutely, we offer a variety of port configurations, biocontainer sizes, and connectors tailored for your application. Our team of Application Engineers can support the design of custom single-use systems to meet your unique process requirements, integrating into existing infrastructure without requiring major equipment or process changes.

What sizes/volumes are available?

We offer a range of standard sizes/volumes including 50 mL, 250 mL, 500 mL, 1 L, 2 L, 5 L, and 10 L. Custom sizes are also available upon request to suit specific process requirements.

What applications is this biocontainer designed for?

TepoFlex® biocontainers are optimized for critical biopharmaceutical manufacturing applications compatible with freeze-thaw processes, including but not limited to those associated with monoclonal antibodies, recombinant proteins, cell and gene therapies, and bulk drug substances.

Is this container suitable for controlled-rate freezing, standard conventional freezing, or plate freezing?

Yes, TepoFlex® biocontainers are designed to perform reliably in all freezing methods. Whether you have a blast freezer, static freezer, or plate-based system, our Applications Engineering team will design your single-use assemblies for robustness through the entirety of your freeze-thaw cycle.

Can the biocontainer be used for long-term frozen storage and transport?

Absolutely. TepoFlex® biocontainers maintain structural integrity at deep-frozen temperatures. It is critical to ensure that the packaging system and transportation parameters are also qualified for the application. Our team of Applications Engineers is available to support you through your qualification process, providing guidance where applicable, to ensure your system meets the necessary standards.

For more information on our freeze & thaw platforms for bioprocessing, visit www.meissner.com/tepoflex-freeze-thaw or call +1.805.388.9911.

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