Allegro™ 3D

TRANSPORTATION TOTES

Allegro™ transportation totes can be used in any stage of the biomanufacturing process for transport of product or process fluids in Allegro biocontainers, within or outside your facility. The Allegro transportation totes have been validated and subjected to strict controls to ensure robust secure containment during transportation.

We provide shipping industry-certified, fully integrated, and flexible solutions for transportation of 100 or 200 L Allegro single-use biocontainer systems. Fill volumes as low as 50 L can be transported.

The stainless steel tote features:

- Gasket sealed lid.
- Gasket-sealed chamber underneath to contain and safely transport outlet piping and attached fittings.
- Foam protection pad system with tension strap retained distribution plate to prevent liquid movement.
- Secure clamping of biocontainer outlet port providing quality protection.
- Tubing and top port segregation to prevent attached fittings or even filters from contacting the biocontainer during transit.

Features and benefits

Installed biocontainers are protected from gross environmental ingress into the tote, reducing the need for cleandown when the tote is brought back into the facility after transport. Lids and tube protection chambers are all gasket sealed. The biocontainer with process liquid is secured using robust, simple to use mechanical features:

- Bottom outlet port securely clamped and clamps locked into place ensuring no possible lateral or up and down movement of the port-biocontainer joint.
- Outlet piping connections and system components protected by locking, gasket-sealed stainless steel door.
- Biocontainer protected by foam pad, with distribution plate rigidly holding biocontainer. Distribution plate has slide-lock orifice to secure inlet port attachment tubing and fittings, and separate them from the biocontainer.



Fig 1. Allegro transportation totes and trolley..

- Straps secure distribution plate in position, providing securing force on biocontainer to prevent movement and any liquid “surge” during transport conditions.
- Locking, gasket-sealed lids provide protection against gross ingress of contaminants to the upper chamber during transit. Upper chamber safely contains inlet port fittings and assemblies away from contact with the biocontainer.

Transportation

Between external manufacturing sites, Allegro totes can be easily loaded in road transportation once the Allegro biocontainer system securing steps have been taken.

Allegro transportation totes have transport-friendly features such as stainless steel pockets for shipping labels or papers.

Within the plant, Allegro transportation totes may be moved on the accessory trolley. Trolleys have two locking swivel castors and two fixed wheels.



Fig 2. Loading totes for road transportation.

Validation and support

We provide comprehensive validation and testing support for our transport solutions. Please talk to your Cytiva representative about the specific details of your application so we can provide suitable feedback and system design concepts for your application.



Fig 3. Allegro transportation tote installed on trolley accessory.

Certification and qualification

The Allegro 200 L transportation tote and biocontainer have passed the International Safe Transit Association (ISTA) 3H test* procedure at ambient temperature (23 ± 2°C)for road transportation, and the United Nations Economic Commission for Europe (UNECE) standards and test criteria† for transportation of dangerous goods. Allegro transportation totes are manufactured under a quality management system certified to ISO 9001.

* ISTA test procedure 3H is a general simulation test for mechanically handled bulk loads. It is intended for bulk loads of the same product, but it can also be considered for mixed loads. It can be used to evaluate the protective performance of bulk transport systems related to vibrations, shocks, and other stresses normally encountered during handling and transportation, as well as to evaluate interior dunnage (void supports). The test levels are based on general data and may not represent any specific distribution system. The package and product are considered together and not separately. Some conditions of transit, such as moisture pressure, or unusual handling, may not be covered.

† UNECE Part 6 Recommendations on the Transport of Dangerous Goods, Annex Part 6: Requirements for the construction and testing of packagings, intermediate bulk containers (IBCs), large packagings, portable tanks, multiple-element gas containers (MEGCs), and bulk containers proscribe mechanical handling tests including: Vibration testing, Bottom lift tests – Forklift, Stacking tests, Internal pressure test and Leak test.

Warning: If a hazardous substance is being transported, it is the user's responsibility to ensure compliance with hazardous goods transport legislation. Please contact your Cytiva representative for more details.



Fig 4. Stacked empty Allegro totes.

Technical specifications

	Allegro 200 L transportation tote	Allegro transportation tote trolley
Materials of construction	304 stainless steel	304 stainless steel (frame) Polyamide (wheels)
Surface finish	2 µm/2B brushed finish	-
Weight	93.5 kg	11.7 kg
Dimensions	826 × 618 × 1000 mm (33 × 25 × 40 in.)	820 × 620 × 232 mm (32 × 25 × 9 in.)
Clearance (for lifting)	205 mm (8 in.)	155 mm (6 in.)
Stacking ability	3× tote (empty) 2× tote (full) **Note:** Totes must not be stacked during transportation	Totes must not be stacked on a trolley

	With 200 L Allegro biocontainer	With 100 L Allegro biocontainer
Minimum recommended filling volume	100 L	50 L

Ordering information

Description	Product code
Allegro 200 L stainless steel transportation tote (includes straps and one foam pad)	LGRTRN200L
Allegro 200 L stainless steel trolley for tote	LGRTRNTRL200L

Recommended spare parts

Description	Product code
Allegro 200 L foam pad (6 pack)	LGRTRNFP200L
Allegro 200 L straps (set of 2)	LGRTRNS200L

cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corporation or an affiliate doing business as Cytiva.
Allegro is a trademark of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.
Any other trademarks are the property of their respective owners.
The Danaher trademark is a proprietary mark of Danaher Corporation.
© 2026 Cytiva

For local office contact information, visit cytiva.com/contact

CY60155-09Jun26-DF

danaher