



Gnoto-safe[®] Shipping (GSS) Container

The new Charles River GSS container was developed as part of an ongoing initiative to refine internal processes and reduce our environmental footprint, all while maintaining quality and the highest standards in animal welfare.

The GSS Container

Developed in collaboration with Innovive Inc., the new GSS container's interior animal space is 50% larger, maintains the highest standards in biosecurity, and is 100% recyclable. All Charles River isolator-reared models, including VAF-Elite™ and immunodeficient models, are shipped using this container. Additionally, any client rodent animal colonies housed by Charles River will be delivered back to the client via this container.

Standard Features

The container is available for purchase as a set that includes two mouse cages, secure filter-top lids and a shipping crate (see Figure 1). The container (and components) has been enhanced to improve crate integrity, biosecurity and animal welfare during shipment.

- **The crate closing flaps** (Figure 2, blue arrows) extend the full length of the box to increase box security and integrity upon sealing. Integrated side spacers (Figure 2, red arrows) add space and improved airflow between crates during shipment.
- **The animal cage bottoms** are designed by Innovive, Inc. and are compatible with the Innorack[®] IVC Mouse caging rack system. This is a potential benefit to any clients that utilize this rack system, as they can streamline their animal receipt process by having the option to seamlessly place these cages directly onto their racks.
 - **Interior Dimensions:** 81 in² floor space, 345 in³ living space, 5 in height (523 cm² floor space, 5653.5 cm³ living space, 12.7 cm height)
 - **Exterior Dimensions:** 14.7 in L x 9.2 in W x 5.5 in H (maximum) (37.3 cm x 23.4 cm x 14.0 cm [maximum])
- **The transport lids** fit securely to the cage via a snap-fit mechanism, resulting in airtight adhesion during transport. Airflow and biosecurity are maintained through an integrated lid filter that is secured using 15 spot welds.

Benefits of the NEW GSS Container

- **Green Initiative:** The entire container (crate and cage) is 100% recyclable.
- **Animal Welfare:** The shipping container has 50% more interior animal space.
- **Compatibility:** The cages are compatible with the Innorack[®] IVC Mouse racking system.
- **Compliant:** The container is compliant with IATA guidelines.



Figure 1. Complete GSS shipping crate and cages



Figure 2. Enhanced features of the GSS container