



VACUUM INSULATED, PREMIUM SHIPPER

Liviri bio^{2,3} and bio^{4,7} are a pair of high performing, reusable and durable vessels that help the life science industry confidently deliver valuable cold-chain products to their customers. Unlike the alternatives, Liviri uses vacuum insulated stainless steel to guarantee the thermal protection of your high-value contents. Between our two innovative products, we have solutions that can deliver 24- to 100-hour temperature assurance. The thin-wall design maximizes room inside for your payload, while minimizing the exterior footprint — saving you money shipment after shipment. Who knew helping the earth could also help your bottom line?

SYSTEM FEATURES

- 24- to 100-hour thermal performance
- 2.3 and 4.7 products that adapt to your payload and thermal needs
- Thin wall design eliminates expensive dimensional carrier pricing, saving you money on shipping
- Medical grade stainless steel easily sanitized, with removable strap for deep cleaning
- Simple and elegant design streamlines your operations and is easy to use for your customers
- Durable jacket maximizes the life of the stainless-steel vessel, and is easily replaced after 10 – 15 round-trips
- Jacket contains shipping label pockets making it easier to return the package
- Lower cost per use, maximizing ROI
- Tamper-evident zipper design on the jacket

THERMAL CAPABILITIES

- Temperature Zones
 - + 2 – 8°C
 - + CRT (20 – 25°C)
 - + Frozen ($\leq -10^{\circ}\text{C}$)
 - + Deep Frozen ($\leq -50^{\circ}\text{C}$)
 - + Custom temperatures (min order volumes)
- Thermal testing expertise and collaboration
- All performance is tested to Industry standard ISTA-7E heat profile

TRUSTED DROP PROTECTION

- Exceeds ISTA-3A – FedEx-A requirements (drop, vibration and compression testing)
- Rugged stainless-steel vessel protected by an innovative shipping jacket
- Jackets designed to last 10 – 15 round-trips
- Vessels designed to last 75 – 100 round-trips

Learn more at liviri.com



bio^{2.3}



LIVIRI bio^{2.3} SPECS

- Empty weight with jacket: 3.7 lbs
- Internal Dimensions: 4.4" x 6" x 6" (2.3L)
- External Dimensions (w/ jacket): 7.5" x 8.3" x 8"
- Accommodates up to eight 20-well trays or four 50-well trays

bio^{4.7}



LIVIRI bio^{4.7} SPECS

- Empty weight with jacket: 5.6 lbs
- Internal Dimensions: 8.5" x 6" x 6" (4.7L)
- External Dimensions (w/ jacket): 8.5" x 8.0" x 11.7"
- Accommodates up to twenty 20-well trays or ten 50-well trays

bio ACCESSORIES

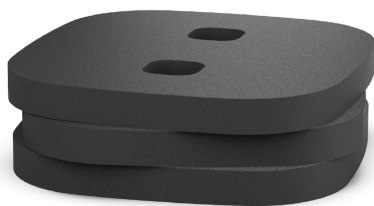
VIAL TRAYS

LIVIRI VIAL TRAYS

- 20 well rack + buffer tube holder
- 50 well rack + buffer tube holder
- Designed for 0.2 ml vials
- Secure snap-on lid
- Stackable design



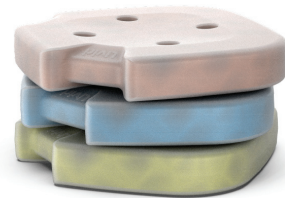
FOAM SPACERS



LIVIRI FOAM SPACERS

- Secures payload by gently packing down contents
- Improves thermal performance by removing dead air space
- Reusable design eliminates single-use packaging fillers

COOLANT PACKS



5°C
0°C
-15°C

LIVIRI bio COOLANT PACK SPECS

- Coolant Weight: 0.76 lbs
- Total Weight: 0.92 lbs
- Dimensions: 6" x 6" x 1"
- Temperature Bands
 - + 0°C
 - + 5°C
 - + -15°C

Liviri