

# Cold Chain pallet shippers

1. Outside Dimension: 48 x 43 x 48 in.
2. Inside Dimension: 40.625 x 34.25 x 37 in.
3. Coolant: 4 each water-based molded bottles with handles (18 lb/each)
4. Shipper insulated wall thickness: 3 in.
5. Qualification: 2-8°C (36°F-46°F) for 60 hours (maximum and minimum payloads)
6. Temperature profile: 21.1°C (70°F +/- 2°F)
7. Maximum payload tested: 3,375 x 5ml vials, each containing 5ml liquid fill
8. Minimum payload tested: 1,040 x 5ml vials, each containing 5ml liquid fill
9. Temperature monitored and recorded utilizing calibrated thermocouples verified before and after each test

Additional excursion testing with minimum and maximum payloads was conducted at 15°C (59°F), 25°C (77°F) and 30°C (86°F) to provide excursion data in the event of a trailer's active coolant system failure.

**Note:** This configuration (with two extra coolant bottles on a second top shelf) is qualified for summer and winter ambient shipments for 24 hours.

