



MVE Tech Tips



A monthly publication for the MVE Biological Products Distributors

July 2003

Vapor Shippers In Space

Recently we received communication from Mr. Rob Rowland, a plastics engineer for the Lockheed Martin Advanced Thermal Team of the Crew Thermal Systems Division at the Johnson Space Center. They were looking for some specifications of an XC14/3V they had. This vapor shipper model had been built in the late 1980's and early 90's. He mentioned that the KSC freezer (MVE XC14/3V) has flown on four previous Space Shuttle missions, STS-87, STS-95, STS-93 and STS-111. It has performed flawlessly in space and is also certified for flight on the International Space Station. Not bad for being 10 years old.

White Elephant Dewars

Chart has immediately available at greatly reduced prices some "White Elephant Dewars" that are destined to be orphaned. They are dewars that have been discontinued or custom units that have been cancelled. All carry a 3-year vacuum warranty and 1 year on parts.

11198761 XC35/5V This is vapor shipper or liquid storage unit capable of 5 weeks in vapor. No protective shipping carton available. It is the same size as an XC35/12 with 10 canisters included. There are 6 of these @ \$530.00 each.

11052674 Cryosystem 8 This is a 90 liter- 6" neck storage dewar that can hold 8 canisters or 8 (25vial-9slot) mini racks. A roller base can be purchased as an option to this. There are 7 of these @ \$422.50 each. Note: these do not have racks or canisters included. These can be purchased separately.

10585911 Cryosystem 3600 This is a shorter version of the Cryosystem 4000. The dewar holds 90 liters of LN and holds 4 (100 vial-9 slot) rack. There is only one of these @ \$550.00. Racks are included in this.

9918999 XC47/11 MM This is basically a flanged XC47/11 without canisters and a canister divider. The top flange can be removed and replaced with a slotted neck ring assembly. There are 5 of these @ \$450.00 each. The replacing neck ring kit and canisters are not included and can be purchased separately.

Bio-Medical Customer and Technical Service

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866 819-5897 toll free
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Cryo-Bio Distributor Training

Chart / MVE Bio-Medical Systems will be conducting a basic Product Training for its Cryobiological products September 2003 in Georgia. The topics to be covered include:

- Small Storage Aluminum
- Large Storage Stainless
- Control Rate Freezers
- Tec 2000 Controller
- Bulks Storage and Piping Systems
- Trouble Shooting
- Maintenance and Service

Thursday, September 18th

Meeting to be held in the Courtyard Atlanta Buckhead hotel.

8:00 a.m. - 5:00 p.m.

Continental Breakfast, Lunch and Dinner will be provided.

Friday, September 19th

7:00 a.m. - 7:45 a.m. Continental breakfast will be offered at the hotel.

7:45 a.m. Meet at the hotel lobby and you will be brought to our Canton, GA manufacturing facility for further training.

Lunch will be provided and afterwards you will be brought back to the Courtyard Atlanta Buckhead to pick up your luggage.

Plan to arrive into Atlanta the evening of Wednesday, September 17th.

A block of rooms will be held September 17th and 18th at:

- Courtyard Atlanta Buckhead (Room rate of \$110.00)
- 3332 Peachtree Road NE
- Atlanta, GA 30326
- Tel. #404-869-0818
- Fax #404-869-0939

Transportation choices from the airport to the hotel include:

Marta Train which departs from the airport every 15 minutes, costs \$1.75, and brings you to within 1/2 block of the Courtyard Atlanta Buckhead or; Shuttle Service from the airport which costs approximately \$12.00; or a taxi which costs approximately \$20.00.

Please book your return flights on Friday, September 19th **after 4:00 p.m.** to allow for travel and check-in time at the Atlanta airport.

Contact Rose Grimm to reserve a spot in the training and to hold a room for you. Please provide her with your credit card information and smoking preferences. (See contact information below.) **Please RSVP by July 15.**

Hope to see you in September!

For copies of past Tech Tips or for more information on maintaining your nitrogen storage dewars please contact Jim Bachman at (952) 882-6115, Pager (612) 579-8367, Fax (952) 882-5172.