



TA Instruments

Packing the Q10/Q20/Q20A

DSC Instrument

This procedure will cover the steps to properly pack up the DSC Q10/Q20/Q20A for shipment.

Packing Materials Provided:

Q10/Q20

Cell shipping foam w/ clamp

Q20A

Cell shipping foam w/ clamp

Shipping plug

Autolid shipping foam

2 Rubber bands

4 Shipping hooks

Tools Required:

Phillips screwdriver

Flathead screwdriver

3/32" or 5/32" Allen key (depending on cooling device)

Heavy-duty tape

Strapping kit

NOTE: If this instrument is equipped with an RCS or LNCS, the flange temperature **must** be at ambient temp **before** removing the cooling head.

1. Remove any samples from the cell area.
2. **For Q20A ONLY:**
 - a. Remove the dust cover and the sample tray (if applicable).
 - b. Remove the waste bin and insert the shipping plug.
 - c. Press "LID" button on front panel on instrument, so the lid will open.
3. Remove the 4 screws that hold on the blue cell dress cover and remove the cover.
4. Unplug the 2-pin heater power wire (RCS ONLY).
5. Remove the cooling unit (RCS, LNCS, FACS) from the cell (Figure 1).
6. Place the shipping foam over the cell (Figure 2). Tighten the shipping clamp.

7. Re-install the blue dress cover over the cell (Figure 3).
8. **For Q20A ONLY:**
 - a. In the software, select “Calibrate” on the top tool bar.
 - b. Select “Autosampler” on the dropdown menu.
 - c. Click on the “Motor Test” tab.
 - d. Click on the “SHIP” button. Pressing this button will move the autosampler arm and insert the fingers into the shipping plug.
 - e. Click on the “Close” button. This will take you out of the “Calibrate screen”.
 - f. Press “LID” button on front panel on instrument, so the lid will now close.
 - g. Install the shipping foam in between the autolid outer cover and the arm (Figure Q20A-1).
 - h. Next, band down the autolid and the autosampler arm using the rubber band and hooks (Figures Q20A-2 & Q20A-3).
9. Shutdown the instrument via the controller.
10. Turn off the power switch located on the back of the instrument.
11. Disconnect any cords, cables, and tubing to the instrument.
12. If shipping the instrument in the reusable TA plastic shipping container;
 - a. Place instrument in shipping container.
 - b. Place top portion of shipping container over the instrument. Note the direction, the “FRONT” is labeled on both the top and bottom portions of the container. Secure latches on all of the sides.
 - c. Your instrument is now ready to ship.
13. If shipping the instrument in the cardboard shipping carton;
 - a. Carefully lift the instrument and remove the feet.
 - b. Place the instrument on the plastic pallet.
 - c. Secure instrument to pallet with 4 shipping bolts.
 - d. Place feet and accessories into accessory box and place box next to instrument on pallet.
 - e. Place outside carton over pallet and seal with heavy-duty tape.
 - f. Using a strapping kit, secure outside carton to the plastic pallet.
 - g. Your instrument is now ready to ship.

***TA Instruments strongly recommends using a Motor
Freight Carrier!***



Figure 1

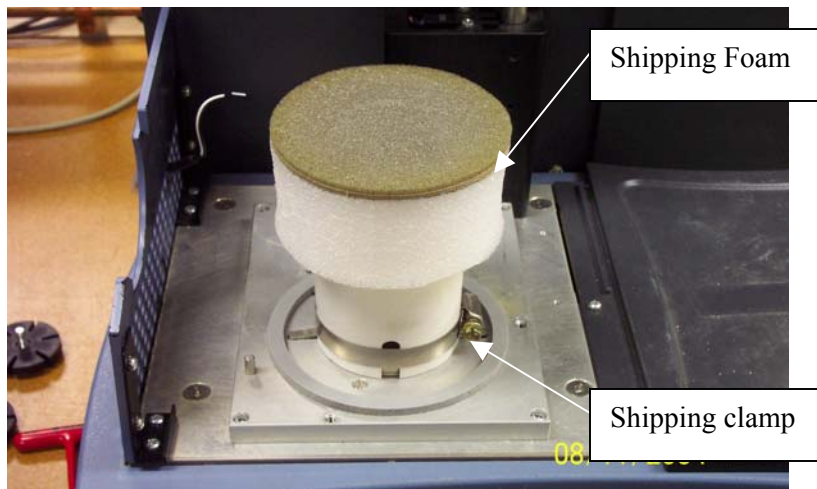


Figure 2



Figure 3

Q20A



Figure Q20A-1

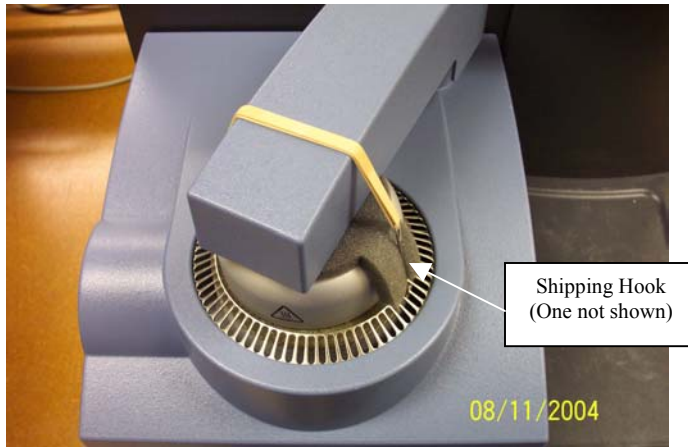


Figure Q20A-2

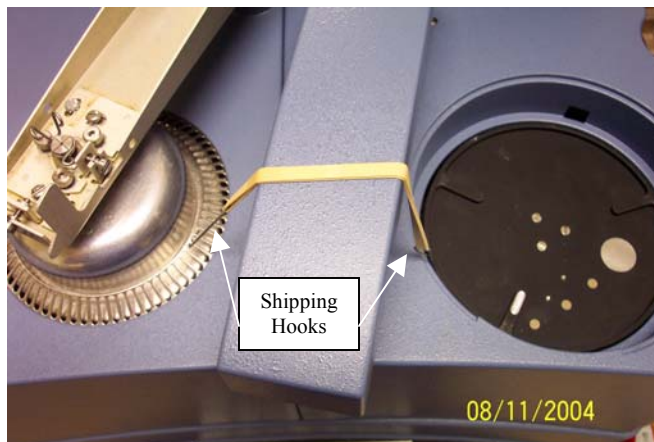


Figure Q20A-3