This procedure covers the steps for properly packing up the DSC Q1000/2000 instrument for shipment.

Packing Materials Provided

- Cell shipping foam with clamp
- Shipping plug
- Autolid shipping foam
- Rubber bands (2)
- Shipping hooks (4)

Tools Required

- Phillips screwdriver
- Flathead screwdriver
- 3/32" or 5/32" (depending on cooling device)
- Heavy-duty tape
- Strapping kit

Packing Procedure

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

1. Remove any samples from the cell area. Remove the dust cover and the sample tray (if applicable).
2 Remove the waste bin and insert the shipping plug.

Figure 1

3 For Q1000:
   a On the LCD screen, press the Control Menu button.
   b Press the Autolid button to open the lid.

For Q2000:
   a On the LCD screen, press the CONTROL button
   b Press the lid icon on the left hand side of the screen.
   c The control command should say “LID OPEN.”
   d Press APPLY to open the lid.

4 Remove the 4 screws on the blue cell dress cover and then remove the cover.

5 Unplug the 2-pin heater power wire (RCS ONLY).

6 Remove the cooling unit (RCS, LNCS, FACS) from the cell.

Figure 2
7  Place the shipping foam over the cell (Figure 3). Tighten the shipping clamp.

Figure 3

8  Re-install the blue dress cover over the cell.

Figure 4

9  For Q1000:
   a  On the LCD screen, press the CONTROL MENU button.
   b  Next, press AUTOSAMPLER.
      NOTE: The Autolid (over the cell) automatically opens (if not already). This is normal.
   c  Press TEST MODE and then SENSORS.
d Press **SHIP** to move the autosampler arm and insert the fingers into the shipping plug.

![Figure 5]

**Figure 5**

- Press **EXIT** until you are at the main menu.
- Press **AUTOLID** to bring the lid down over the foam covering the cell.

For Q2000:

a On the LCD screen, press **CALIB**.

b Press the Autosampler icon.

c Select the **MOTOR TEST** tab.

d Press **SHIP** to move the Autosampler arm and insert the fingers into the shipping plug. See **Figure 5** above.

e Press **CONTROL** to return to the control menu.

f Press the lid icon on the left hand side of the screen. The control command should display “LID CLOSE.”

g Press **APPLY** to close the lid.

10 Install the shipping foam between the Autolid outer cover and the arm.

![Figure 6]

**Figure 6**
11 Band down the Autolid arm and Autosampler arm using the rubber band and hooks.

Figure 7

12 For Q1000:
   a  Press **DISPLAY MENU** on the touch panel, then press **SHUTDOWN**.

For Q2000:
   a  Press **CONTROL** on the touch panel.
   b  Press the switch icon.
   c  Scroll down to **SHUTDOWN**.

13 Press **APPLY**. When the instrument says it okay to shut down, turn off the power switch on the back of the instrument.

14 Disconnect all cords, cables, and tubing to the instrument.

15 If shipping the instrument in the reusable TA plastic shipping container:
   a  Place instrument in shipping container.
   b  Place the 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 the latches on all of the sides.
   c  Your instrument is now ready to ship.

16 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 the pallet with 4 shipping bolts.
   d  Place feet and accessories into the accessory box and place the box next to the instrument on the pallet.
   e  Place the outside carton over the pallet and seal it with heavy-duty tape.
   f  Using a strapping kit, secure the outside carton to the plastic pallet.
   g  Your instrument is now ready to ship.

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