PROCEDURE

1. Connect valve actuator to dewar (CyroLAB valve assembly, item 6, H7122).
2. Connect O2 supply to control manifold as shown.
3. With O2 regulator still closed, open manifold valves (V1 & V2) & pump down lines leading to O2 & dewar until vacuum is achieved.
4. Close valve on pump station side of manifold (V2).
5. Open O2 regulator to flood system.
7. Open valve V2 and pump lines down again.
8. Clean valve actuator.
9. Close valve V2 & shut down pump station.
10. Slowly open control valve V1 & fill dewar gradually with O2 until dewar reaches 1 atm pressure (this can take several minutes).
11. Close valve actuator & valve on O2 side of manifold (V1).
13. Heat CCD with 75W lamp at window for 4 hours.
14. Open valve actuator.
15. Begin pumping down again & open valve (V2) on pump station.
16. As soon as vacuum is obtained close valve actuator.
17. Begin cooling and turn off the lamp.
18. Shut down pump station.
19. Disconnect valve actuator from dewar.

NOTES

1. This process is to be followed whenever dewar is exposed to atmosphere.
2. O2 grade, grade 5(TM), .99999 purity, Air Gas Gaspro, Hilo (previously BOC/Gases Gaspro).

75W incandescent bulb with reflector.
Bulb approx. 1" - 1.5" from window.
Reflector approx. same dia. as window & as close as possible without touching.

Combined vacuum system volume approximately 325 cu. in.