

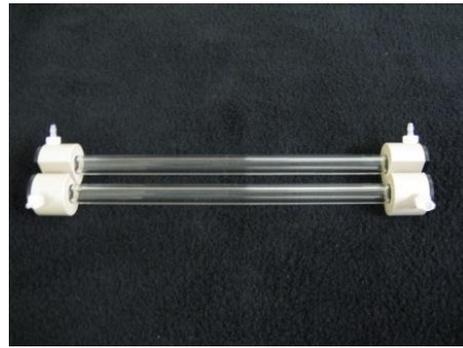


**Guide to Cleaning the Cells
For Cetac M-6100 & M-7500**

(Note: Latex gloves must be worn throughout the cell cleaning process.)



Tools Needed



Part to be cleaned

- 1) Turn off the instrument and remove all tubing from the cells.
- 2) Remove the cells from the instrument, and place on clean paper towels.
- 3) Remove all (4) end caps from the glass tubes. Figure 1

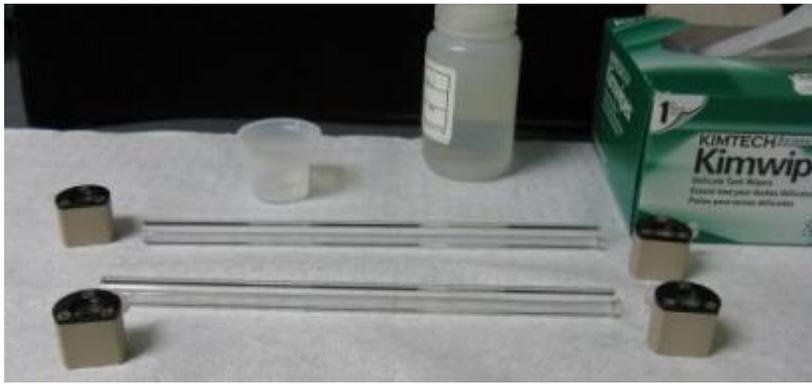


Fig.1

- 4) Using #1 Philips screwdriver, remove the (3) screws that hold the black cover to the cell caps. Figure 2a & 2b



Fig.2a



Fig.2b

5) Using the wooden end of a cotton swab, push the sapphire window out of the end cap. Be sure to also remove the brown o-ring. Figure 3

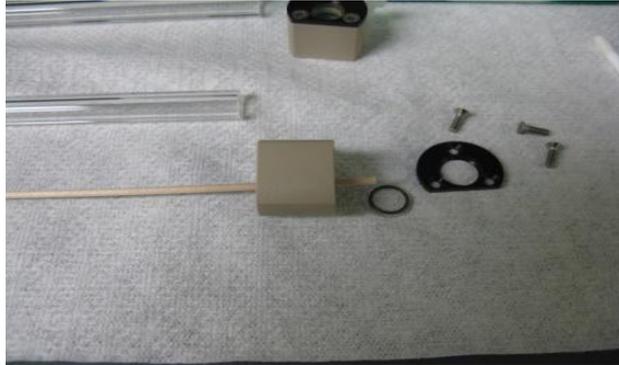


Fig.3

6) Using a foam tipped swab and high grade IPA clean the top portion of the end cap where the brown o-ring sits and blow dry with Argon. Figure 4

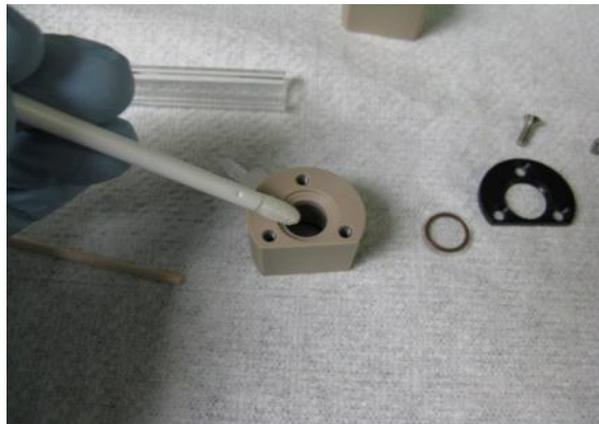


Fig.4

7) There are (2) o-rings located inside each cell cap, during the cleaning process the O-rings should be inspected for damage or deterioration. Figure 5

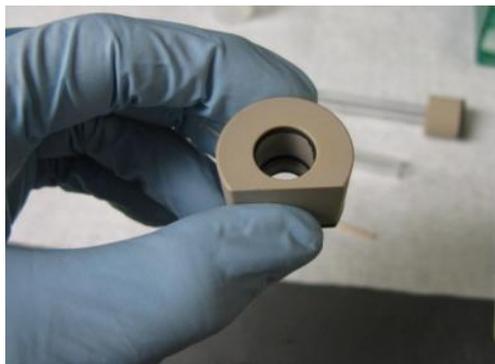


Fig.5

8) After cleaning and drying the top portion with Argon center the brown o-ring in the grooves. Figure 6



Fig.6

9) Clean the sapphire window using IPA and a foam tip swab then wipe clean using a Kim-wipe and blow dry with Argon gas. Figure 7a & 7b



Fig.7a



Fig.7b

10) Replace the sapphire window on the top ledge of the cell cap being sure that the brown o-ring stays centered in its groove. Figure 8



Fig.8

11) Replace the black cover and install the (3) screws. Figure 9

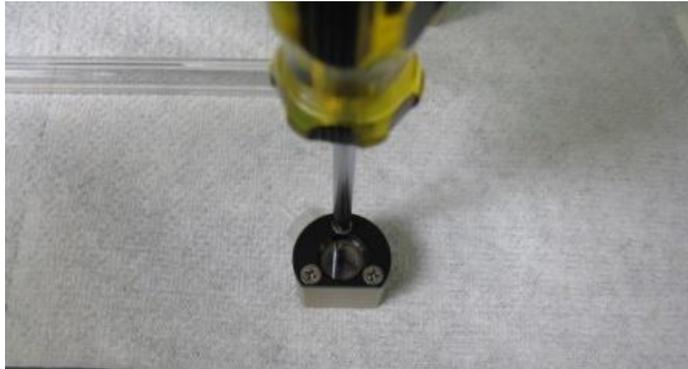


Fig. 9

12) Apply a generous amount of IPA to the end of a foam tip swab and clean inside the glass tube. Then using wooden push-rod, slide a piece of twisted up a Kimwipe throughout the entire glass tube then blow-dry. Figure 10a,10b&10c



Fig.10a

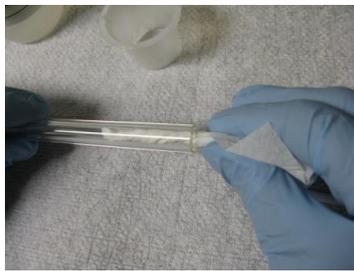


Fig.10b



Fig.10c

13) Replace all (4) end caps on the glass tubes, being sure that the caps are fully seated on the glass tubes and are even on both ends. Figure 10



14) Re-install the cells into the Mercury and re-attached all tubing.