



Sampling for Isocyanates

After receiving the sampling media from the lab, store the filters at $\leq 4^{\circ}\text{C}$ temperature prior to sampling.

Equipment:

- Cassettes with treated glass fiber filter and support pad provided by CASSEN.
- Sampling pump, tygon tubing and calibrator
- Vials containing extraction solvent (Only if sampling for Oligomers)

Instructions:

1. The cassettes are pre-made by CASSEN Testing Labs. See figure 1.1 for the assembly of the filter cassettes.
2. Identify the inlet and outlet pieces of the cassette.
3. Using the calibration cassette, calibrate the sampling pump to the desired flow rate. Contact CASSEN for a suggested flow rate.
4. Remove the **outlet plug** from the cassette, and the **cassette inlet section**. Then connect the tygon tubing from the outlet piece to the pump.
5. Do not allow air being sampled to pass through any hose or tubing before entering the cassette.
6. Sample for the appropriate amount of time. Record sample air volume (in litres of air) for each sample.
7. Immediately after sampling and in a clean location, open up the cassette, remove the glass fibre filter using forceps, and place into its respective vial so that the filter is flat against the inside surface of the vial, not folded or crumpled.
8. Immediately tightly seal the vial with the lined cap. Check to be certain that the vial is tightly closed and does not leak.
9. Vigorously shake the vial to wet the filter.
10. Submit at least one blank sample with each set of samples. Treat the blank in the same manner as the samples except draw no air through it.
11. Store and package samples upright (including blanks) at $\leq 4^{\circ}\text{C}$ temperature. Ship samples back to lab with cooler and ice pack.

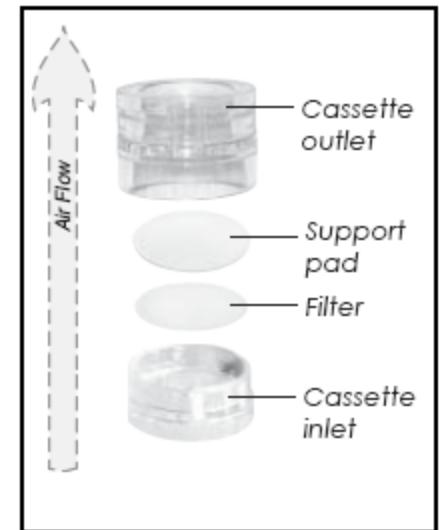


Figure 1.1 Assembly of the Pre-made Cassettes

Store and package the samples (including blanks) at $\leq 4^{\circ}\text{C}$ temperature

Please return all cassettes

Please try to notify the lab in advance if RUSH services are required.