EasyElute Kit

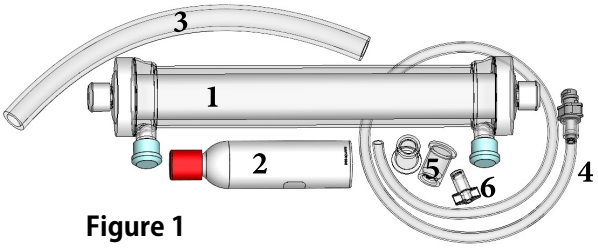

Figure 1

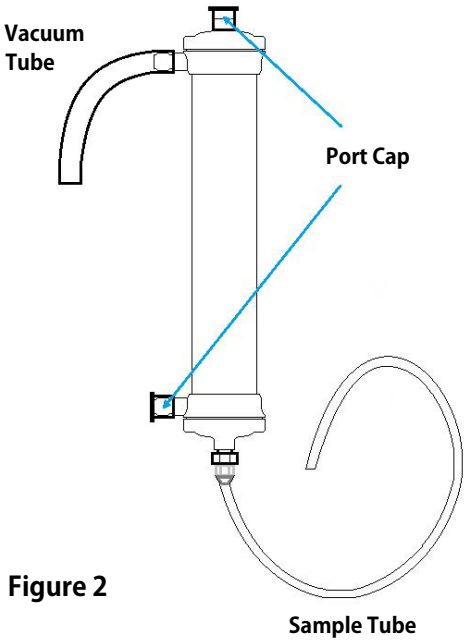

Figure 2

Wear Safety Glasses

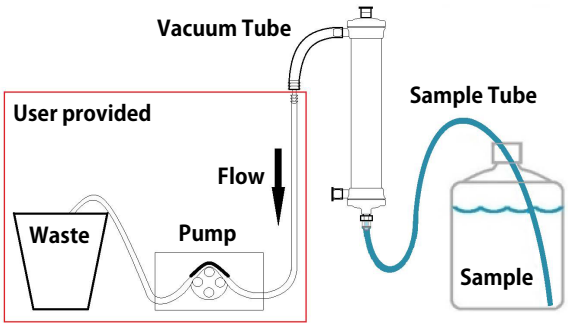

Figure 3

Vacuum Method for Large Volume Concentration

1. KIT COMPONENT CHECK (figure 1)

- Verify that you have all **EasyElute™** parts shown in (figure 1)
    1. EasyElute™ Filter
    2. EasyElute™ Elution Buffer canister
    3. Vacuum Tube (12")
    4. Sample Tube with fitting (36")
    5. Two Port Caps
    6. Canister Adapter
- A ring stand with clamp is recommended to secure filter during sampling.

2. SAMPLING SETUP (figure 2)

- Remove all of the port covers from the filter. Firmly push the Vacuum Tube onto one of the side ports. Firmly twist the fitting of the Sample Tube onto the end port opposite the vacuum tube.
- Place the Port Caps on the open side port and the open end port.

3. CONNECT TO VACUUM SOURCE (figure 3)

- Secure EasyElute™ Filter in a ringstand with a clamp ensuring that the capped end is up.
- Attach vacuum supply tubing from your pump to the Vacuum Tube on the top side port.

4. COLLECT SAMPLE (figure 3)

- Put the Sample Tube into your sample.
- Keep tubing submerged *Do not let air enter the Sample Tube until the sampling is complete.
- Turn the pump on a slow setting and allow the sample to fill the tubing completely.
- Once the sample is flowing evenly through the system, the pump can be adjusted to a higher flow rate.
- When you have completed collecting your sample, allow the pump to continue to run until all of the fluid has been pulled through the filter and you can see air in the Vacuum Tube, then stop the pump.

Do not elute a clogged filter cell

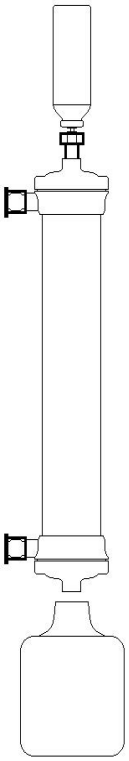

Figure 4

5. CONFIGURE FOR ELUTION (figure 4)

- Remove the Vacuum Tube from the side port Take the Port Cap from the top port and place it on the open side port.
- Remove the Sample Tube from the bottom of the **EasyElute™ Filter.**
- Screw Canister Adaptor firmly into the top of the filter.
- Place a 250 mL or larger sample container under the bottom port of the filter cell to catch the final concentrated sample.

6. ELUTE SAMPLE (figure 4)

- Insert and depress the **EasyElute™ Elution Buffer** canister with constant firm pressure into Canister Adaptor to flush the filter.
- After the canister has emptied completely release it.
- Allow the fluid to stop flowing out of the the filter before removing the canister.

Ready for downstream processing/analysis

IMPORTANT: Elution canister must be at room temperature for optimal performance

FULL SYSTEM DESIGN OVERVIEW (figure 5)