

Biotage® VacMaster Disk One-Pass Kit

User Instructions

The Biotage® VacMaster Disk One-Pass Kit is an accessory for the Biotage® VacMaster Disk. This kit allows for an inline carbon cartridge to be used for methods that require extraction of hydrophilic and light-end semi-volatile organics (LSVO). In this configuration all classes of compounds from EPA Method 8270/625 are extracted.

Delivered Items

The One-Pass kit contains the following items:

- » Carbon cartridge holder, Qty1
- » Carbon cartridge cap, Qty1
- » Feed line, Qty1
- » Waste line, Qty1
- » Luer adapter, Qty1
- » Carbon cartridge funnel, Qty1

Install the OnePass Kit

1. Remove the tubing connecting the sample & valve ports of the VacMaster Disk as shown in Fig 1.
2. Install the feed line (Yellow) to the sample port (A).
3. Install the waste line (Green) to the valve port (B).
4. Install the carbon cartridge holder onto the VacMaster Disk as shown in Fig 2. Thumbscrew can be on the top or underside of the VacMaster Disk. Holder can be positioned on either side of the VacMaster Disk.
5. Connect other ends of feed line & waste line together.

Using the One-Pass Kit

1. Disconnect feed line & waste line.
2. Install carbon cartridge cap to a carbon cartridge. (Fig 3)
3. Connect the waste line to the carbon cartridge cap. (Fig 4)
4. Insert carbon cartridge into holder.
5. Insert the feed line to the luer of the carbon cartridge.
6. Condition disk per method.
7. Run sample through disk & carbon cartridge per method.
8. Disconnect cartridge with cap from feed & waste line.
9. Connect feed line to waste line together.
10. Collect eluent from disk per method.
11. Connect carbon cartridge funnel to carbon cartridge. (Fig 3)
12. Connect luer adapter to carbon cartridge luer.
13. Collect eluent from carbon cartridge per method.



Figure 1. Replace the existing line connected to the sample port (A) and feed port (B) with the feed line and waste line of the One-Pass Kit.



Figure 2. Carbon cartridge holder on VacMaster Disk.



Figure 3. Carbon cartridge cap on a carbon cartridge & carbon cartridge funnel & luer adapter on a carbon cartridge.



Figure 4. Setup of the One-Pass Kit on the VacMaster Disk with a carbon cartridge.