

**Procedure**

1. Homogenize, mill, or cryomill the sample. The S1 Q-Disc is a preassembled sandwich of the G1 Q-Disc between two C9 Q-Discs. Place entire sandwich, excluding the blue separator, into the bottom of the Q-Cup, and assemble the Q-Cup.
2. Weigh the sample into the Q-Cup. If the sample is in sheet form, cut into small pieces (the smaller, the better).
3. Insert a Q-Screen into the Q-Cup using the Q-Screen tool.

**Notes**

\*Plastics and polymers should only be extracted at temperatures below melting point range.  
Expansion of the sample during extraction is common during polymer based extraction.

**Sorbents**

N/A

**Solvents**

2-Propanol (IPA)

**Sample Weight**

≤ 2 g

**Equipment**

EDGE  
Q-Screen  
60 mL collection vials

**Q-Disc**

S1

**Heating Program**

Cycle	Top Add (mL)	Bottom Add (mL)	Rinse (mL)	Temp (°C)	Hold (mm:ss)
1	15	5	0	120	10:00
2	10	5	0	120	10:00
3	15	5	0	120	10:00
4	10	5	0	120	10:00

Note: Temperature and hold times may vary depending on the sample and analytes of interest.

**Wash Program**

Cycle	Solvent	Volume (mL)	Temp (°C)	Hold (mm:ss)
1	2-Propanol (IPA)	15	100	0:10
2	2-Propanol (IPA)	15	---	--:--

**General Guidelines**

- a) This procedure is a reference point for sample extraction using a CEM system and may need to be modified or changed to obtain required results on your sample or analytes of interest.
- b) Wear hand, eye, and body protection when handling organic solvents.
- c) Any of CEM's collection vials/centrifuge tubes in the correct size for the rack owned may be used.
- d) Verify needed solvents are loaded onto the system with sufficient volume. Load the rack containing sample(s) into the EDGE. Select the method and position to load method. Press play and add any any sample ID's, etc. as needed.
- e) Bring to volume or evaporate as necessary for analysis.