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 sorbents into the Q-Cup. Spread evenly across the sample by gentle tapping.
3. Weigh the sample into the Q-Cup layering the sample on top of the sorbent. Gently mix the sample and sorbent mixture with a glass stir rod, ensuring that the Q-Disc is not damaged.
4. Insert a Q-Screen into the Q-Cup using the Q-Screen tool.

Notes

The second cycle in the heating program is a "Rinse Only" cycle.
Add 1:00 bubbling to Cycle 1 by selecting the pencil icon in the Cycles tab.

Sorbents

Q-Matrix Hydra™ (2.5 g)
PSA (0.5 g)

Solvents

Acetonitrile w/ 1.0% Acetic Acid (v/v)

Sample Weight

≤ 10 g

Equipment

EDGE
50 mL centrifuge tubes
Q-Screen

Q-Disc

S1

Heating Program

Cycle	Top Add (mL)	Bottom Add (mL)	Rinse (mL)	Temp (°C)	Hold (mm:ss)
1	25	0	5	40	3:00
2	0	0	10	---	--:--

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	Acetonitrile w/ 1.0% Acetic Acid (v/v)	10	40	0:03

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.