

Sludge

(Domestic sludge, NIST 2781)

Sample Category: Environmental & Regulatory

Sample Requirements

Sample Weight: 0.25g

Reagents: 10mL Conc. HNO₃

Vessels: 35mL glass, quartz, and Teflon™ lined

Microwave Heating Program

Control Style: Ramp To Temperature

Pressure Mode: Organic

Recommended Equipment



Discover SP-D

| Stage | Temp (°C) | Ramp Time | Hold Time | Pressure (psi) | Power (W) | Stirring |
|-------|-----------|-----------|-----------|----------------|-----------|----------|
| 1 | 200 | 04:00 | 02:00 | 400 | 300 | Med |



Notes:

1. If using a vial other than the recommended choice, adjust sample size and pressure limit to values appropriate for the vessel chosen.
2. This method may not provide a total digest of all sludge samples.

General Precautions:

This procedure is a reference for sample digestion using a CEM System and may need to be modified or changed to obtain the required results on your sample