



Coniferous needles (lyophilized)

- Extract molecules (DNA, RNA, protein, chemicals)
- Wet final product
- Sample sizes: up to 10 to 100 mg.

Materials Required

One of these Bullet Blenders

- **Bullet Blender (BBX24)**
- **Bullet Blender Blue (BBX24B)**
- **Bullet Blender Storm 24 (BBY24M)**
- **Bullet Blender 24 Gold (BB24-AU)**

Reagents

None required

Bead choices

- **NAVY bead lysis kit (NAVY)**
- **Bead combination:**
 - 0.9 - 2.0 mm stainless steel blend (SSB14B)** use 100ul beads **plus**
 - 3.2 mm stainless steel beads (SSB32)** use 3 beads

Procedure

1. Cut the sample into appropriately sized pieces. For larger samples, we recommend cutting the material into long, thin strips for faster homogenization.
2. Place the sample in the tube with the beads.
3. Set the controls for Speed 10 and Time 2. Press Start.
4. After the run, remove the tubes from the instrument and visually inspect the samples. If homogenization is incomplete, repeat the homogenization step.
5. Proceed with your downstream application.