



Feathers (vanes and down)

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

Materials Required

One of these Bullet Blenders

- **Bullet Blender 5E (BBY5E)**
- **Bullet Blender 5 Gold (BB5E-AU)**

Reagents

None required

Bead choices

- **2.0 mm zirconium oxide beads (ZROB20)** use 500ul beads

Procedure

1. Place the sample in the tube with the beads.
2. Close the tubes tightly and place them in the Bullet Blender.
3. Set the controls for Speed 20 and Time 10. Press Start.
4. After the run, remove the tubes from the instrument and visually inspect the samples. If homogenization is incomplete, homogenize for another 5 minutes.
5. Proceed with your downstream application.