



## Blood (fresh)

- Extract molecules (DNA, RNA, protein, chemicals)
- Wet final product
- Sample sizes: 200 – 600 mg.

**Notes on the protocol:** This protocol is designed to lyse cells in the fluid, including bacteria if present.

## 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

- **Bead combination:**
  - 0.5 mm zirconium oxide beads** (ZROB05) Use a volume of beads equivalent to 0.25 x the volume of the sample **plus**
  - 0.15 mm zirconium oxide beads** (ZROB015) Use a volume of beads equivalent to 0.25 x the volume of the sample

## 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 10 and Time 3. 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.