

Alterations to MoBio Powersoil DNA Extraction Kit Protocol for Zen Seagrass Samples:

After following “Preparation of Zen Seagrass Samples for DNA Extraction:” begin on **step 3** of the Experienced User Protocol (Pg 7 of the manual).

1. A white precipitate will form due to the interaction of the Zymo lysis buffer and the C1 solution. **Before preceding to step 4** place the tubes at 65°C for 5 minutes to remove precipitate.
2. **Immediately** place tubes in **bead-beater for 1 minute at “homogenize” setting.**
3. Resume standard **Experienced User Protocol at step 6.** Continue through **step 19** of Experienced User Protocol.
4. At **step 20** add **50ul of sterile, Nuclease-free water** to the membrane.
5. Finish Experienced User Protocol as indicated in manual. **Store DNA at -20°C** or lower.