



2016 Protocols

Fecal DNA
Concentration

Adapted from MoBio's PowerFecal Kit

Purpose:

To concentrate environmental DNA purified using Dalhousie iGEM 2016's Fecal DNA Extraction protocol.

Required Materials:

- Previously Isolated Fecal DNA
- 5M NaCl
- 100% Ethanol (Ice Cold)
- Benchtop Centrifuge
- Speed Vac (Optional)

Procedure:

1. Add 10 μ L of 5M NaCl to previously isolated fecal DNA and invert tube 3-5 times.
2. Add 200 μ L of 100% ice cold ethanol and invert 3-5 times.
3. Centrifuge at 10,000 $\times g$ for 5 minutes at room temperature
4. Decant all liquid
5. Dry the pellet using by either a Speed Vac or Air Dry
6. Re-suspend the pellet in less Solution C6 or DNase-free water than the original volume.