

- 18) Centrifuge for 15+ minutes, then carefully transfer supernatant to a clean tube, add 2.5 volumes of ethanol, mix gently and pellet precipitate with a 10-30 sec centrifugation.
- 19) If the precipitate is cohesive (filamentous or ropy precipitate), pellet by centrifuging for @ 30 sec or until the pellet sticks to the bottom of the tube. Otherwise, chill sample on ice for 10' and then centrifuge for 15'. Rinse with 70% ethanol twice, remove all traces of EtOH after the second rinse and air dry the pellet.
- 21) Rehydrate pellet in 100  $\mu$ l sddH<sub>2</sub>O TTE. Heat if necessary. If pellet does not rehydrate completely, add additional sddH<sub>2</sub>O and heat again. If ANY undissolved material remains, spin the sample for 10' and then carefully transfer liquid to a clean tube.

### Stock Solutions:

- 1) **Extraction Buffer**

2 M NaCl (58.44 g)	11.7 g per 100 ml
0.4% Deoxycholic acid (sodium salt) Sigma D-6750	0.4 g per 100 ml
1.0% Brij 58 (polyoxyethylene 20 cetyl ether) Sigma P-5884	1.0 g per 100 ml
- 2) **6M Guanidinium Solution (F.W. 118.2)**

35.46 g in 50 ml H <sub>2</sub> O
70.92 g in 100 ml H <sub>2</sub> O
177.3 g in 250 ml H <sub>2</sub> O
354.6 g in 500 ml H <sub>2</sub> O
- 3) **5 M LiCl** (FW 42.39, Sigma L4408), ice cold
- 3) **TTE**

10 mM Tris pH 8.0
0.1 mM EDTA
- 4) **Sterile Distilled Water**

\*Modified from a method by: Cambareri, E.B. and Kinsey J.A. 199x. An ultra-fast method of DNA extraction from Neurospora. Fungal Genetics Newsletter 40.