Quick yeast genomic preparation (12/18/08)

Grow overnight culture

Spin down 1 ml of saturated overnight culture. *Optional: wash once with 1 ml H_2O*.

Resuspend cells in 200 ul of Lysis buffer.

Add ~0.2 g Glass beads

Add 200 ul of Phenol/Chloroform

Vortex for 10 min.

Spin 5 min at top speed. *Alternative: Dump contents into a phase lock tube (Light) to aid in separation of organic and aqueous layers*.

Remove 150 ul of aqueous layer and add to 300 ul of ethanol. Precipitate DNA in –20° C freezer for at least 30 min.

Pellet DNA by spinning for 10 minutes at top speed. Decant or aspirate ethanol.

Add 1 ml of 70% ethanol, vortex, and spin for 2 min at top speed. Decant or aspirate ethanol.

Dry DNA pellet in speed-vac for ~10 min. Resuspend pellet in 50 ul of TE.

Lysis Buffer	**To make 50 ml of Lysis Buffer**
2% Triton X-100	40.9 ml H_2O
1% SDS	5 ml of 20% Triton X-100
100 mM NaCl	2.5 ml of 20% SDS
10 mM Tris-Cl, pH 8.0	1 ml of 5 M NaCl
1 mM EDTA	500 ul of 1 M Tris-Cl, pH 8.0
	100 ul of 0.5 M EDTA