Extract Genomic DNA (gDNA) from '288c' 2/27/14

Fail

Using a CH_3COOLi solution that contains 200 mM CH_3COOLi in 1% SDS, we were able to extract the gDNA from Saccharomyces Cerevisiae efficiently. (Marko Lõoke Article: Biotechniques.com Volume 50 No.5 '11) "Biotechniques 50:325-328"

Protocol:

1) At log growth stage for your yeast colonies, use an inoculating loop to select a few colonies. (from a YPD growth plate)
2) Place the colonies selected into 100 µl 200 mM CH_3COOLi 1% SDS solution.
3) Incubate, after suspending cells, at 70°C for 15 minutes
4) Add 300 µl 95% ethanol
5) Vortex breifly to mix.
6) Centrifuge @ 15,000 g for 3 minutes
7) Dump supernatant.
8) Resuspend the precipitated DNA in 100 µl T.E. buffer.
9) Spin for 1 min @ 15,000 g (Cellular debris will form a pellet at the bottom.)
10) Supernatant ~~it~~ contains gDNA from your yeast sample.
11) Load ~~in~~ µl into PCR tube for further testing / Amplification.

DNA Densities: *Jared: 111.1 ng/µl*
Chris: 43.1 ng/µl
Neil: 12.3 ng/µl

* We used for q-PCR (Phusion)