

ISOPROPANOL PRECIPITATION REMOVING SMALL OLIGOMERS

Adapted from BV's Cookbook, TCH 1/27/02

Use: removing oligomers
removing any DNA sequences less than 200 bp

1. 600 ul (DNA in TE, can use 2 ul glycogen, 20 ug/ul, if you'd like*)
200 ul 2M Na(ClO)₄ (store in dark at room temp.
400 ul 2-propanol (this is also called isopropanol).

Note: You can use 400 ul of 1M NaClO₄ (i.e., 400 ul TE, 400 ul 2M Na(ClO)₄) precipitates smaller DNA (e.g., down to 134bp) . For < 134 bp DNA, see the SAGE protocol. Note that carrier does not help, and that you can not see pellets with or without carrier.

2. Microfuge 15' room temp.
3. Discard sup.
4. Add ~500ul 70% ethanol.
5. Microfuge 2' room temp.
6. Discard wash.
7. See ethanol precipitation protocol for rest.
8. Dissolve in ddH₂O.