

Phenol/chloroform DNA extraction

Materials Needed

- Phenol:chloroform (1:1)
- chloroform

Protocol

1. Add an equal volume of buffer-saturated phenol:chloroform (1:1) to the DNA solution
2. Mix well by vortexing for 10 seconds (except for high MW DNA like YACS, fosmids, etc, which should be gently rocked)
3. Spin in a microcentrifuge at max speed for 3 minutes
4. Remove the aqueous layer to a new tube, being careful to avoid the interface
5. Add an equal volume of chloroform to the aqueous layer
6. Spin in a microcentrifuge at max speed for 3 minutes
7. Remove aqueous layer to a new tube
8. Ethanol precipitate the DNA