PHENOL EXTRACTION (FOR DNA PURIFICATION)

1. To resuspended DNA sample (from minprep or other source) add 1 volume of equilibrated phenol (pH 8.0) or phenol:chloroform:isoamyl alcohol mixture (25:24:1)
2. Mix vigorously with vortex
3. Centrifuge at 5 000xg for 5 min or microfuge for 5 min
4. Carefully transfer upper aqueous phase to fresh, labelled tube; stay away from the white material at the interface (it is better to leave a small amount of aqueous material behind than it is to carry over a small amount of the interface)
5. If the interface is especially thick, repeat steps 1 through 4
6. To the aqueous sample, add 1 volume of chloroform:isoamyl alcohol mixture (24:1)
7. Centrifuge as above
8. Transfer to a fresh labelled tube and proceed to ethanol or isopropanol preciptation