PROTOCOL FOR PC-8 EXTRACTION OF DNA SAMPLES

by TCH 1/26/02

1. Prepare your DNA solution as the follows:

DNA solution:	200ul (if <200ul, add ddH_2O to q.s. 200ul)
7.5M NH_4Oac:	100ul

2. Add 250-300ul of phenol/chloroform, pH 8.0 (i.e., PC-8, available from Fisher or VWR). Vortex 15 sec and spin 1 min in microfuge (**Note**: PC-8 is in the bottom phase; always wear gloves).

3. Transfer the aqueous phase to a labeled fresh tube containing an equal volume of PC8. Vortex 15 seconds, microfuge 1-2 minutes (**Note**: It's best not to transfer all the aqueous phase, as this often gets the interphase junk mixed in; Usually 1-2 extractions are sufficient, but the cardinal rule is that there is no visible junk at the interphase after the final PC8 extraction).

4. Transfer the aqueous phase to a 1.7ml tube. Add 3ul seeDNA and 600-700ul 100% ethanol. Mix well and spin at top speed for 5 min in room temperature (**Note**: If you're purifying very short DNA, e.g., <100 bp, add three volumes, i.e., 900ul, of 100% ethanol).