

## **Phenol-Chloroform-Extraction:**

Purification of DNA.

- the volume of the DNA solution should be at least 200  $\mu$ l (extend with ddH<sub>2</sub>O)
- + 1 Vol. PCIA (lower phase only!)
- vortex!
- 5 min, 14,000 rpm centrifugation
- transfer upper phase to new microcentrifuge tube
- repeat the last four steps up to three times until the interphase is gone
- + 1 Vol. CIA (to get rid of the phenol)
- vortex!
- 1 min, 14,000rpm centrifugation (or let sit until two phases appear)
- take upper phase and perform Ethanol-precipitation

### **material:**

#### **CIA:**

1:24 (1ml) Isoamylalcohol  
24:1 (23ml) Chloroform  
storage at room temperature

#### **PCIA:**

1:1 Phenol : CIA

(saturated Phenol, lower phase only, in 1M Tris-buffer, pH 6.6, storage at 4°C)  
storage at room temperature, dark