

## Recipies

### WHITE BLOOD CELL LYSIS SOLUTION:

	<b>stock</b>	<b>stock vol.</b>	<b>final</b>
1M Tris.Cl		10.0ml	10mM
0.5M EDTA		50.0ml	25mM
10% SDS		50.0ml	0.5%
ddH2O		<u>885ml</u>	-----
		1L total	

### PROTEIN PRECIPITATING SOLN:

5M Ammonium Acetate, NH<sub>4</sub>OAc (mw= 77.09)

	<b>stock</b>	<b>stock vol.</b>
NH <sub>4</sub> OAc		19.27g
ddH <sub>2</sub> O		to 50 mls

EDTA SOLN: 500ml of 100mM EDTA (free acid)

1. Add 14.61g of EDTA to ~ 400ml of ddH<sub>2</sub>O, pH=3
2. Add KOH slowly until pH ~ 8. The EDTA will then dissolve.
3. Bring volume to 500 ml with ddH<sub>2</sub>O. Recheck pH with litmus paper. pH should be between 8 and 12.

100mM KOH: 500 ml = 2.8 g KOH

### RED CELL LYSIS SOLN: 10X

1.45 M NH<sub>4</sub>Cl (MCB crystal cat # AX1270-1, Fw=53.5)  
 5mM EDTA (Free acid, anhydrous) (Sigma #EDS, FW 292.2)  
 0.1M KHCO<sub>3</sub> (mallincroft cat # 6748, FW = 100.12)  
 KOH (any kind of reagent or grade)

Prepare as follows:

1. Add 155.0g NH<sub>4</sub>Cl to ~ 1.5L of ddH<sub>2</sub>O - stir until DISSOLVED
2. Add 20.0g KHCO<sub>3</sub> and stir until DISSOLVED
3. Add 100 ml of free acid 100mM EDTA soln (1/20 final vol.)
4. Bring to ~ 1980 ml with ddH<sub>2</sub>O
5. Recheck the pH with meter, should be between 7.2 and 7.8  
 If > 7.8 decrease pH with 100mM HCl added dropwise  
 If < 7.2 increase pH with 100mM KOH added dropwise.
6. Filter sterilise through a 0.2 or 0.45 micro filter.