GEL ELECTROPHORESIS AND WESTERN TRANSFER BUFFERS USED

30% Acrylamide -8% bis acrylamide
90g acrylamide
2.4g bis acrylamide
Stir until dissolved, add 2 spoonful of activated charcoal, stir for 5 minutes and filter before use.

4 x Separating gel buffer (1.5 M Tris HCl, pH 8.8)
90.85g Tris base
2g SDS
450 ml distilled water

4 x Stacking gel buffer (Tris HCl, pH 6.8)
30.25g Tris base
400 ml distilled water

Electrode buffer
12g Tris base
57.6g glycine
Dissolve in 3 litres of distilled water, adjust pH to 8.3 and add 4g of SDS.

Stainer
1.25g Coomassie blue
500 ml methanol
100 ml acetic acid
400 ml distilled water

**Destainer**

600 ml methanol  
140 ml acetic acid  
Make the volume to 2 litres with distilled water.

**Transfer buffer**

57.7g glycine  
2.1g Tris base  
800 ml methanol

**Wash buffer**

Dilute 10XTris/HCl 1:10 with distilled water  
0.3% Tween 20  
0.05% Triton X 100  
Ammonium persulphate 140 mg/ml of distilled water.

**Sample buffer**

10% SDS  
10% v/v 2-Mercapto ethanol  
50% sucrose  
0.025% bromophenol blue in 1/4 x stacking gel buffer.