**Preparation of 50% TCA-Acetone:**

To make 100 mL TCA –Acetone solution: 50 mL TCA and 50 mL Acetone were taken for human plasma protein purification.

**Preparation of (48%)PEG-6000:**

Weight 48 gram of PEG-6000 and dissolved in 100mL of water.

**Composition of rehydration buffer:**

* Urea : 7M
* Thio Urea: 2M
* 1.2% W/V CHAPS
* 0.4% W/V ASB-14
* 20mM Dithithretol
* 0.005% Bromophenol blue

**Composition of reagents used for SDS-PAGE:**

**Composition of 10% Running gel : (10ml)**

* H2O -3.8ml
* 30% Acrylamide/Bis-acrylamide mix -3.4 ml
* Tris-Cl, pH=8.8 (1.5ml)-2.6ml
* Sodium dodecyl sulfate (SDS) (10%)-100µl
* Ammonium per sulfate-4µl
* Temed-4µl

Composition of 5% stalking gel (5ml):

H20-3.4 ml

30% acrylamide mix=0.83ml

Tris-Cl=0.63ml

Sodium deodecylsulfate (10%) =50µl

Ammonium per sulfate = 50µl

Temed =5µl

**SDS –PAGE sample Buffer:**

* 2% SDS
* 25% glycerol
* 50mM Tris-Hcl,pH8.8
* 0.01% Bromophenol blue
* 5% β-Mercaptoethanol

**Coomassiae Brilliant blue staining solution;**

* 1gm of coomassiae brilliant blue was dissolved in 1 liter of water
* Methanol :50%
* Glacial acetic acid:10%
* H20 :40%

**Tris-glycine running buffer composition for 1 litre:**

* Tris –base: 3.02gm
* Glycine:18.8 gm
* 10% SDS:10ml

**Staining Solution:**

* Comassiae brilliant blue R-250-0.2%
* H2O, Acetic acid, Methanol(5:4:1)

**De-staining Solution:**

H2O, Acetic acid, Methanol ( 5:4:1)