

Protein Gels

Solution	Final Conc	amount of stock	Final volume	Comments
10 x running buffer	(1 x) 25 mM Tris 192 mM glycine	121.14 g Tris base 576.54 g glycine	4 L	final pH is ~8.3
5 x gel loading buffer (add DTT to 50 mM)	(1 x) 4% Ficoll 2% SDS 10 mM Tris	2 g Ficoll 1g SDS 500 µl of 1 M Tris pH 7.5	10 ml	Add dye to desired level store at -20°C add DTT before use
Anode 1	0.3 M Tris 20% methanol	300 ml of 1 M Tris pH 10.4 200 ml of 100% methanol	1 L	pH to 10.4
Anode 2	25 mM Tris 20% methanol	25 ml of 1 M Tris pH 10.4 200 ml of 100% methanol	1 L	pH to 10.4
Cathode	25 mM Tris 20% methanol 40 mM 6-aminohexanoic acid	25 ml of 1 M Tris pH 10.4 200 ml of 100% methanol 40 ml of 1 M 6-aminohexanoic acid	1 L	final pH is ~ 9.4 (should self pH)
10% ammonium persulfate	10% APS	1 g APS	10 ml	make fresh every week