

Solutions for High pH Native Gels

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7X Native Gel Upper (Stacking) Buffer: 5.7 g Tris base, pH to 6.7 with H_3PO_4
water to 100 ml total vol

4X Native gel Lower (Separating) Buffer: 18.2 g Tris Base, pH to 8.9 with HCl
water to 100 ml

50X Running Buffer: 7.5 g Tris base
36 g Glycine
water to 250 ml

3X Sample Buffer: 3 ml glycerol
0.6 ml 50X Running Buffer
6.4 ml H_2O

Sample gel recipes: Separating Layer (Lower; 7.5%) 6 ml H_2O
3 ml Lower buffer
3 ml Acrylamide/Bis (30/0.8)
7 ul TEMED
84 ul 10% APS

Stacking Layer (Upper; 4.3%) 5 ml H_2O
1 ml upper buffer
1 ml Acrylamide/Bis (30/0.8)
8 ul TEMED
40 ul 10% APS

Using Biorad Criterion cassettes (cat # 3459902):

10 ml vol for separating layer and level with H_2O , set for 1 hr

Pour off water and dry with filter paper,

~4 ml for upper layer; insert comb and wait for 1 hr

Wrap with saran if not using same day, and store in cold room.