

## SDS Polyacrylamide Gel Recipes

Separating	7.5%				10%			12%	14%		16%
	1X	2X	3X	4X	1X	2X	3X		1X	2X	1.5X
Acrylamide 30:08 (ml)	5	10	15	20	6.6	13.2	19.8	8.4	9.3	18.6	16
Water (ml)	10	20	30	40	8.4	16.8	25.2	6.6	5.7	11.4	6.5
Lower buffer (ml)	5	10	15	20	5	10	15	5	5	10	7.5
10% APS (ul)	100	200	300	400	100	200	300	100	100	200	150
N,N-TEMED (ul)	10	20	30	40	10	20	30	10	10	20	15

Stacking Layer	1X	2X	3X	4X
Acrylamide 30:08 (ml)	1	2	3	4
Water (ml)	6.5	13	19.5	26
Upper buffer (ml)	2.5	5	7.5	10
10% APS (ul)	50	100	150	200
N,N-TEMED (ul)	10	20	30	40

Swirl first 3 items before adding the last two items just before pouring

Separating sets up in 1hr

Upper sets up in 45 minutes

N,N-TEMED found on shelf#5

10% APS Ammonium Persulfate solution in aliquots in freezer, thaw only 5 times

**Lower Buffer:** 187 g Tris Base (1.5M), pH 8.8 with HCl  
(Separating) 4.0 g SDS, dd H<sub>2</sub>O to 1liter refrigerate

**Upper Buffer:** 60.5 g Tris Base (0.5M) pH 6.8 with HCl  
(Stacking) 4.0 g SDS, dd H<sub>2</sub>O to 1liter refrigerate

**Running Buffer:** 10 L H<sub>2</sub>O, 30.3 g Tris Base (0.025M)  
144.1 g Glycine  
10 g. SDS

**3X Sample Buffer:** 18.8 ml 1M tris pH 8.8, 30 ml Glycerol  
6.0 g SDS (final 2M conc), a titch of Bromophenol Blue  
q.s. to 100ml Freeze in aliquots of 1ml