

SDS-Polyacrylamide Gels

Add H₂O first, then acrylamide, then proceed in order.

Slab (Resolving gel):

1.5 mm thickness:

	1 Gel		2 Gels		4 Gels	
	12%	10%	12%	10%	12%	10%
30% acrylamide/.8%Bis*	4 ml	3.3 ml	8 ml	6.6 ml	16ml	13.2ml
ddH ₂ O	3.3 ml	4 ml	6.6 ml	8 ml	13.2 ml	16 ml
1M Tris-HCl pH 8.8	2.5 ml	2.5 ml	5 ml	5 ml	10 ml	10 ml
10% SDS	0.1 ml	0.1 ml	0.2 ml	0.2 ml	0.4 ml	0.4 ml
TEMED	7.5 µl	7.5 µl	15 µl	15 µl	30 µl	30 µl
10% APS	75 µl	75 µl	150 µl	150 µl	300 µl	300 µl
Final Volume	~10 ml	~10 ml	~20 ml	~20 ml	~40 ml	~40 ml

0.75 mm thickness:

	2 Gels		4 Gels	
	12%	10%	12%	10%
30% acrylamide/.8%Bis*	4 ml	3.3 ml	8 ml	6.6 ml
ddH ₂ O	3.3 ml	4 ml	6.6 ml	8 ml
1M Tris-HCl pH 8.8	2.5 ml	2.5 ml	5 ml	5 ml
10% SDS	0.1 ml	0.1 ml	0.2 ml	0.2 ml
TEMED	7.5 µl	7.5 µl	15 µl	15 µl
10% APS	75 µl	75 µl	150 µl	150 µl
Final Volume	~10 ml	~10 ml	~20 ml	~20 ml

4% Stacking Gel:

	1.5 mm thickness		
	1 Gel	2 Gels	4 Gels
30% acrylamide/.8%Bis*	0.67 ml	1.34 ml	2.68 ml
ddH ₂ O	3 ml	6 ml	12 ml
1M Tris-HCl pH 6.8	1.25 ml	2.5 ml	5 ml
10% SDS	50 µl	100 µl	200 µl
TEMED	3 µl	6 µl	12 µl
10% APS	37.5 µl	75 µl	150 µl
Final Volume	~5 ml	~10 ml	~20 ml

	0.75 mm thickness	
	2 Gels	4 Gels
30% acrylamide/.8%Bis*	0.67 ml	1.34 ml
ddH ₂ O	3 ml	6 ml
1M Tris-HCl pH 6.8	1.25 ml	2.5 ml
10% SDS	50 µl	100 µl
TEMED	3 µl	6 µl
10% APS	37.5 µl	75 µl
Final Volume	~5 ml	~10 ml

*Use disposable pipettes.