

Tris-Tricine Gel Electrophoresis

Stock solutions	20% (2mL)	16.5% (6mL)	10% (2ml)	4% (4mL)
49.5% (32:1) acrylamide sol.	0.808	2.000	0.404	0.323
3x Tris-tricine gel buffer	0.667	2.000	0.667	1.333
50% glycerol	0.400	1.200	0.400	-
water	0.121	0.800	0.523	2.329
25% APS sol. [μ L]	3.3	10	5	12
TEMED [μ L]	0.75	2.25	1	3

→ 1h at 30V, each 10min +15V → 100V, then 100V

Stock solutions	12% (10mL)	12% (5mL)
49.5% (32:1) acrylamide sol.	3* 0.808	2* 0.606
3x Tris-tricine gel buffer	4* 0.833	2* 0.833
50% glycerol	2* 1.000	1.000
water	3* 0.747	2* 0.560
25% APS sol. [μ L]	20	10
TEMED [μ L]	4.5	2.25

→ 15-20min at 90V, then 120V

3x Tris-Tricine Gel Buffer (pH 8.45)

3 M Tris-HCl, pH 8.45
0.3 % (w/v) SDS

2x Tricine Sample Buffer (TSB)

100 mM Tris-HCl, pH 6.8
24 % (w/v) Glycerol
8 % (w/v) SDS
5 % (v/v) Mercaptoethanol
0.02 % (w/v) Bromophenol Blue
→ 30min at 40°C

Cathode Buffer (pH 8.25)

0.1 M Tris
0.1 M Tricine
0.1 % (w/v) SDS
→ don't adjust pH!!!

5x Anode Buffer

1 M Tris-HCl, pH 8.9