

Protein Buffers (6/95 by AJS from AB)

2x Transfer Buffer 4 Liters
 Tris base 23.2g
 Glycine 115.2g
 20% SDS 4mL
 H₂O to 4L

TBST 1 Liter
 Tris 10 ml of 1 M 8.0 (10mM)
 NaCl 30ml of 5 M (150 mM)
 Tween-20 500 l (0.5 ml) 0.05%

5X Running Buffer 4 Liters
 Tris base 60.4g
 Glycine 376
 20% SDS 100mL
 H₂O to 4L

Sample Buffer Final
 Tris 6.8 50mM
 DTT 100mM
 Glycerol 10%
 Brom. Blue 0.1%
 H₂O

2X	3X
2.5 ml of 1M	3.75
5 ml of 1M	7.5 ml
5 ml of 1M	7.5 ml
5 ml of 1%	7.5 ml
7.5ml	

Before using:

SDS 2%
 H₂O

5ml of 20% 7.5 ml
 2.5ml

2X Lysis Buffer Final
 NP40 1%
 Tris 8.0 100mM
 Glycerol 20%
 EDTA 0.2mM
 H₂O

50ml	250ml
0.5ml of 100%	2.5ml of 100%
5ml of 1M	25ml of 1M
10ml of 100%	50ml of 100%
20λ (ul) of 0.5M	100λ (ul) of 0.5M
34.48ml	172.4ml

10X TBST (from Jun) 4 Liters
 Tris Base 55.2g
 Thg HCL 243.38g
 NaCl 350.8

Tris Final = 50mM
 180mM pH= 7.8

4X Transfer Buffer 2 Liters
 Tris base 23.2 g
 Glycine 115.2g
 20% SDS 4ml
 H₂O to 2L

TBST 1Liter
 Tris 10 ml of 1M 8.0 (10mM)
 NaCl 30 ml of 5M (150 mM)
 Tween-20 500λ (0.5 ml) 0.05%

5X Running Buffer 4 Liters
 Tris base 60.4g
 Glycine 28.8g
 20% SDS 100ml
 H₂O to 4L

Sample Buffer

	Final (1X)	2X	3X
Tris 6.8	50 mM	1ml of 1M	1.5 ml
β -ME	5%	1ml	1.5ml
SDS	2%	2ml of 20%	3ml
Glycerol	10%	2ml of 100%	3ml
Brom. Blue	0.0005%	100 ul of 1%	150 ul
H ₂ O		3.9 ml	850 ul
		10 ml	10 ml

2X Lysis Buffer

	Final	50ml	250ml
NP40	1%	0.5ml of 100%	2.5 ml of 100%
Tris 8.0	100mM	5ml of 1M	25ml of 1M
Glycerol	20%	10ml of 100%	50 ml of 100%
EDTA	0.2mM	20 λ (ul) of 0.5M	100 λ (ul) of 0.5M
H ₂ O		34.48 ml	172.4 ml