

<b>Tris-Tricine Gel and Buffer Recipes</b>							
<b>Separating Gel</b>							
	<b>10%</b>	<b>1 gel</b>	<b>2 gels</b>	<b>3 gels</b>	<b>4 gels</b>	<b>5 gels</b>	<b>6 gels</b>
Water		1.75 ml	3.5 ml	5.25 ml	7 ml	8.75 ml	10.5 ml
3M Tris-HCl/SDS, pH 8.45		2.5 ml	5 ml	7.5 ml	10 ml	12.5 ml	15 ml
30% acrylamide		2.5 ml	5 ml	7.5 ml	10 ml	12.5 ml	15 ml
glycerol		0.75 ml	1.5 ml	2.25 ml	3 ml	3.75 ml	4.5 ml
30% APS		7 ul	14 ul	21 ul	28 ul	35 ul	42 ul
TEMED		7 ul	14 ul	21 ul	28 ul	35 ul	42 ul
<b>Stacking Gel</b>							
	<b>4%</b>	<b>1 gel</b>	<b>2 gels</b>	<b>3 gels</b>	<b>4 gels</b>	<b>5 gels</b>	<b>6 gels</b>
Water		1.95 ml	3.9 ml	5.85 ml	7.8 ml	9.75 ml	11.7 ml
3M Tris-HCl/SDS, pH 8.45		0.775 ml	1.55 ml	2.325 ml	3.1 ml	3.875 ml	4.65 ml
30% acrylamide		0.4 ml	0.8 ml	1.2 ml	1.6 ml	2 ml	2.4 ml
30% APS		7 ul	14 ul	21 ul	28 ul	35 ul	42 ul
TEMED		7 ul	14 ul	21 ul	28 ul	35 ul	42 ul
<b>Tricine Sample Buffer, 2X</b>				<b>Anode Buffer, 10 X (2 M Tris, pH 8.8)</b>			
for 50 mL:				Add 242 g Tris base to 700 mL dH <sub>2</sub> O.			
5 mL Tris-Cl (1M, pH 6.8)				Add concentrated HCl until pH reaches 8.8			
12 mL glycerol				Add dH <sub>2</sub> O to 1 L.			
4 g SDS				Store at RT.			
1.55 g DTT							
10 mg Coomassie Blue R250				<b>Tris/Tricine/SDS Running Buffer, 10X</b>			
to 50 mL with dH <sub>2</sub> O				121.1 g Tris base and 179.2 g Tricine with dH <sub>2</sub> O to 800 mL.			
Store at RT.				pH to 8.3 (May not have to add HCl).			
				Add 50 mL 20% SDS.			
<b>3M Tris-Cl/SDS, pH 8.45</b>				Add dH <sub>2</sub> O to 1L.			
Add 182 g Tris base to 300 mL dH <sub>2</sub> O.				Store at RT.			
Add concentrated HCl until pH reaches 8.45							
Add dH <sub>2</sub> O to 500 mL.				<b>TBST</b>			
Add 1.5g SDS.				30 mL 5M NaCl			
Store at 4°C.				50 mL 1M Tris, pH 7.4			
				To 1L with ddH <sub>2</sub> O.			
<b>Transfer Buffer, 10X</b>				Add 1 mL Tween20			
18.9 g Tris base				Store at RT.			
90.1 g glycine							
to 1L with ddH <sub>2</sub> O.				<b>TNE lysis buffer</b>			
Store at RT.				10 mM Tris, pH 7.8			
Dilute to 1X, store at 4°C to keep cold for transfers.				150 mM NaCl			
				1 mM EDTA			
<b>IP lysis buffer, 1% NP-40</b>				1% NP-40			
137 mM NaCl				Store at 4°C			
10 mM Tris, pH 7.4				Add Sigma PIC 1:100 just before use.			
1% NP-40							
Store at 4°C.							
Add Sigma PIC 1:100 just before use.							