

## Berkeley Screen

(96 formulations; 1.7 mL each in a 96-well block plate)

1020947

Well	Buffer	Salt 1	Salt 2	Precipitation Reagent 1	Precipitation Reagent 2
A1	100 mM Tris HCl/ Sodium hydroxide pH 8.0	50 mM Calcium chloride		2200 mM Sodium chloride	
A2	100 mM Sodium acetate / Hydrochloric acid pH 4.5			2000 mM Sodium formate	
A3	100 mM Sodium citrate tribasic / Hydrochloric acid pH 5.3			2000 mM Ammonium sulfate	
A4	100 mM Bis-Tris / Hydrochloric acid pH 6.5	1800 mM Ammonium sulfate		10% (v/v) 2-propanol	
A5				2200 mM Sodium malonate dibasic pH 5.0	
A6				2200 mM Sodium malonate dibasic pH 7.0	
A7				2200 mM Sodium malonate dibasic pH 8.0	
A8	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Potassium chloride		30% (v/v) pentaerythritol propoxylate 5/4	
A9	100 mM Sodium acetate / Hydrochloric acid pH 4.5	100 mM Magnesium chloride		30% (v/v) pentaerythritol propoxylate 5/4	
A10	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Ammonium acetate		25% (v/v) pentaerythritol propoxylate 5/4	
A11	100 mM MES / Sodium hydroxide pH 5.5	400 mM Sodium chloride		25% (v/v) pentaerythritol propoxylate 5/4	
A12	100 mM Hepes free acid/ Sodium hydroxide pH 7.5			35% (w/v) PEG 3350	10% (v/v) 2-Propanol
B1	100 mM Tris HCl/ Sodium hydroxide pH 8.5	400 mM Sodium chloride		30% (w/v) PEG 3350	
B2	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	400 mM Sodium chloride		30% (w/v) PEG 3350	
B3	100 mM Bis-Tris / Hydrochloric acid pH 6.5	400 mM Sodium chloride		30% (w/v) PEG 3350	
B4		5 mM Magnesium chloride	100 mM Potassium sodium tartrate	25% (w/v) PEG 3350	
B5		200 mM Lithium sulfate		20% (w/v) PEG 3350	
B6		200 mM Sodium fluoride		20% (w/v) PEG 3350	
B7	60 mM Bis-Tris Propane, 40 mM Citric Acid pH 6.4			25% (w/v) PEG 3350	
B8	70 mM Bis-Tris Propane, 30 mM Citric Acid pH 7.6			25% (w/v) PEG 3350	
B9	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Magnesium chloride		25% (w/v) PEG 3350	
B10	100 mM Tris base/ Hydrochloric acid pH 8.0	25 mM Magnesium chloride		25% (w/v) PEG 3350	
B11	100 mM Tris HCl/ Sodium hydroxide pH 8.5	200 mM Ammonium sulfate		25% (w/v) PEG 3350	
B12	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Ammonium sulfate		25% (w/v) PEG 3350	
C1	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Ammonium sulfate		25% (w/v) PEG 3350	
C2	100 mM MES / Sodium hydroxide pH 5.5	200 mM Ammonium sulfate		25% (w/v) PEG 3350	
C3		100 mM Calcium chloride		20% (w/v) PEG 3350	
C4	100 mM MES / Sodium hydroxide pH 5.5	100 mM Magnesium chloride		20% (w/v) PEG 3350	
C5	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	300 mM Sodium citrate tribasic		15% (w/v) PEG 3350	
C6		200 mM Potassium chloride		25% (w/v) PEG 3350	
C7		100 mM Ammonium phosphate dibasic		25% (w/v) PEG 3350	
C8		100 mM Magnesium chloride	100 mM Sodium chloride	20% (w/v) PEG 3350	
C9	100 mM Bis-Tris / Hydrochloric acid pH 6.5	100 mM Sodium acetate		25% (w/v) PEG 3350	
C10	100 mM Sodium acetate / Hydrochloric acid pH 4.5	100 mM Ammonium phosphate dibasic		20% (w/v) PEG 3350	5% (v/v) 2-Propanol
C11	60 mM Bis-Tris Propane, 40 mM Citric Acid pH 6.4			20% (w/v) PEG 3350	100 mM Sodium malonate dibasic pH 7.0

C12	70 mM Bis-Tris Propane, 30 mM Citric Acid pH 7.6			20% (w/v) PEG 3350	100 mM Sodium malonate dibasic pH 7.0
D1	100 mM Tris HCl/ Sodium hydroxide pH 8.5	100 mM Sodium malonate dibasic pH 7.0		20% (w/v) PEG 3350	
D2	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Potassium sodium tartrate		20% (w/v) PEG 3350	
D3	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Potassium sodium tartrate		20% (w/v) PEG 3350	
D4	200 mM Sodium acetate / Hydrochloric acid pH 4.5			25% (w/v) PEG 3350	
D5	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Ammonium acetate		25% (w/v) PEG 3350	
D6	100 mM MES / Sodium hydroxide pH 5.5	200 mM Ammonium acetate		25% (w/v) PEG 3350	
D7		100 mM Potassium phosphate dibasic	100 mM Potassium chloride	30% (w/v) PEG 3350	
D8	100 mM MES / Sodium hydroxide pH 5.5	100 mM Ammonium citrate dibasic		20% (w/v) PEG 3350	5% (v/v) 2-Propanol
D9	100 mM Bis-Tris / Hydrochloric acid pH 6.5	100 mM Ammonium phosphate dibasic		20% (w/v) PEG 3350	5% (v/v) 2-Propanol
D10	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	100 mM Lithium sulfate	100 mM Magnesium chloride	20% (w/v) PEG 3350	10% (w/v) 1,6-Hexanediol
D11	100 mM Bis-Tris / Hydrochloric acid pH 6.5	100 mM Lithium sulfate	100 mM Sodium chloride	20% (w/v) PEG 3350	10% (w/v) 1,6-Hexanediol
D12	100 mM Sodium acetate / Hydrochloric acid pH 4.5			20% (w/v) PEG 2000mME	
E1		200 mM Sodium chloride		25% (w/v) PEG 2000mME	
E2		200 mM Ammonium sulfate		25% (w/v) PEG 2000mME	
E3	100 mM MES / Sodium hydroxide pH 5.5	600 mM Magnesium chloride		15% (w/v) PEG 2000mME	
E4	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	1500 mM Ammonium sulfate			
E5	100 mM Bis-Tris / Hydrochloric acid pH 6.5	1200 mM Ammonium sulfate			
E6	100 mM Sodium citrate tribasic / Hydrochloric acid pH 5.5	200 mM Sodium malonate dibasic pH 5.0		20% (w/v) PEG 2000mME	
E7	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Sodium malonate dibasic pH 7.0		20% (w/v) PEG 2000mME	
E8	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Sodium malonate dibasic pH 7.0		20% (w/v) PEG 2000mME	
E9	100 mM Tris HCl/ Sodium hydroxide pH 8.5	200 mM Sodium malonate dibasic pH 8.0		20% (w/v) PEG 2000mME	
E10		200 mM Sodium chloride		20% (w/v) PEG 2000mME	10% (w/v) 1,6-Hexanediol
E11		200 mM Ammonium phosphate dibasic		25% (v/v) PEG 550mME	
E12	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Sodium tartrate dibasic		25% (v/v) PEG 550mME	
F1		800 mM Ammonium sulfate		10% (v/v) PEG 550mME	
F2		200 mM Magnesium chloride		25% (v/v) PEG 550mME	
F3		200 mM Ammonium acetate		20% (w/v) PEG 5000mME	
F4	100 mM MES / Sodium hydroxide pH 5.5	2000 mM Sodium formate		5% (w/v) PEG 5000mME	
F5	100 mM Bis-Tris / Hydrochloric acid pH 6.5	2000 mM Sodium formate		5% (w/v) PEG 5000mME	
F6	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	2000 mM Sodium formate		5% (w/v) PEG 5000mME	
F7	100 mM Tris HCl/ Sodium hydroxide pH 8.5	200 mM Lithium sulfate		20% (w/v) PEG 5000mME	
F8	100 mM Hepes free acid/ Sodium hydroxide pH 7.5			55% (v/v) MPD	
F9	100 mM MES / Sodium hydroxide pH 6.5			30% (v/v) MPD	
F10	50 mM Hepes free acid/ Sodium hydroxide pH 7.2	50 mM Sodium citrate tribasic/hydrochloric acid pH 5.8	10 mM Magnesium chloride	12% (v/v) MPD	
F11	100 mM MES / Sodium hydroxide pH 5.5	100 mM Sodium acetate		40% (v/v) MPD	
F12	100 mM Sodium citrate tribasic / Hydrochloric acid pH 5.5	100 mM Sodium formate		35% (v/v) MPD	
G1	100 mM Tris HCl/ Sodium hydroxide pH 8.0	400 mM Lithium sulfate		25% (v/v) MPD	
G2	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Sodium malonate dibasic pH 7.0		45% (v/v) MPD	

# TECHNICAL SHEET



G3	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	100 mM Sodium citrate tribasic		30% (v/v) MPD	
G4	100 mM Sodium acetate / Hydrochloric acid pH 4.5	400 mM Magnesium chloride		20% (v/v) MPD	
G5	60 mM Bis-Tris Propane, 40 mM Citric Acid pH 6.4		100 mM Potassium chloride	15% (v/v) MPD	
G6		500 mM Ammonium tartrate dibasic		10% (v/v) MPD	
G7	100 mM Sodium acetate / Hydrochloric acid pH 4.5	1500 mM Ammonium sulfate		5% (v/v) MPD	
G8	100 mM Bis-Tris / Hydrochloric acid pH 6.5	800 mM Ammonium phosphate monobasic		15% (v/v) MPD	
G9	100 mM Bis-Tris / Hydrochloric acid pH 6.5			45% (v/v) PEG 400	
G10	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	200 mM Magnesium chloride		30% (v/v) PEG 400	
G11	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	600 mM Magnesium chloride		25% (v/v) PEG 400	
G12	75 mM Bis-Tris Propane, 25 mM Citric Acid pH 8.2		20 mM Cadmium chloride	25% (v/v) PEG 400	
H1	100 mM Sodium acetate / Hydrochloric acid pH 4.5	200 mM Sodium tartrate dibasic		25% (v/v) PEG 400	
H2	100 mM MES / Sodium hydroxide pH 5.5	200 mM Sodium fluoride		20% (v/v) PEG 400	
H3		200 mM Magnesium chloride	100 mM Sodium chloride	25% (v/v) PEG 400	
H4	60 mM Bis-Tris Propane, 40 mM Citric Acid pH 6.4		100 mM Sodium acetate	25% (v/v) PEG 400	
H5		100 mM Magnesium chloride	100 mM Lithium sulfate	25% (v/v) PEG 400	
H6	100 mM MES / Sodium hydroxide pH 5.5	100 mM Calcium chloride		20% (w/v) PEG 1500	12% (w/v) 1,6-Hexanediol
H7	100 mM Hepes free acid/ Sodium hydroxide pH 7.5	100 mM Cadmium chloride		20% (w/v) PEG 1500	5% (v/v) 2-Propanol
H8	100 mM Sodium acetate / Hydrochloric acid pH 4.6	200 mM Ammonium acetate		30% (w/v) PEG 4000	
H9	100 mM Hepes free acid/ Sodium hydroxide pH 7.5			25% (w/v) PEG 4000	10% (v/v) 2-Propanol
H10	100 mM Bis-Tris / Hydrochloric acid pH 6.5	200 mM Sodium acetate		25% (w/v) PEG 4000	
H11		100 mM Magnesium chloride	100 mM Calcium chloride	20% (w/v) PEG 8000	10% (w/v) 1,6-Hexanediol
H12	100 mM Tris HCl/ Sodium hydroxide pH 8.0	200 mM Ammonium acetate		15% (w/v) PEG 10000	