

## JCSG Core Suite 3

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

1009844

Well	Buffer	Precipitation Reagent 1	Precipitation Reagent 2	Salt
A1	100 mM CAPS/ Sodium hydroxide pH 10.5	30% (v/v) PEG 400		
A2	100 mM CHES/ Sodium hydroxide pH 9.5	40% (v/v) PEG 600		
A3	100 mM CHES/ Sodium hydroxide pH 9.5	50% (v/v) PEG 200		
A4	100 mM CHES/ Sodium hydroxide pH 9.5	30% (w/v) PEG 3000		
A5	100 mM CHES/ Sodium hydroxide pH 9.5	50% (v/v) PEG 400		200 mM Sodium chloride
A6		20% (w/v) PEG 3350		200 mM Potassium phosphate dibasic
A7		20% (w/v) PEG 3350		200 mM Sodium phosphate dibasic
A8	100 mM Bicine/ Sodium hydroxide pH 8.5	40% (v/v) MPD		
A9	100 mM Bicine/ Sodium hydroxide pH 8.5	5% (w/v) PEG 6000		
A10	100 mM CAPS/ Sodium hydroxide pH 10.5	30% (v/v) PEG 200		200 mM Ammonium sulfate
A11	100 mM Tris base/ Hydrochloric acid pH 8.5	20% (w/v) PEG 1000		
A12	100 mM Tris base/ Hydrochloric acid pH 8.5			1000 mM Ammonium phosphate dibasic
B1	100 mM Tris base/ Hydrochloric acid pH 8.5	20% (w/v) PEG 8000		200 mM Magnesium chloride
B2	100 mM Tris base/ Hydrochloric acid pH 8.5	1260 mM Ammonium sulfate		200 mM Lithium sulfate
B3	100 mM Tris base/ Hydrochloric acid pH 8.5	1000 mM Lithium sulfate		10 mM Nickel (II) chloride
B4	80 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	20% (v/v) Glycerol		1600 mM Ammonium phosphate monobasic
B5	100 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	30% (w/v) PEG 4000		200 mM Sodium acetate
B6	100 mM Imidazole/ Hydrochloric acid pH 8.0			1000 mM Sodium citrate tribasic
B7	100 mM Imidazole/ Hydrochloric acid pH 8.0	15% (v/v) Ethanol		200 mM Magnesium chloride
B8	100 mM Imidazole/ Hydrochloric acid pH 8.0	10% (w/v) PEG 3000		200 mM Lithium sulfate
B9	100 mM Tris base/ Hydrochloric acid pH 8.5	40% (v/v) MPD		
B10	100 mM Tris base/ Hydrochloric acid pH 8.5			2400 mM Ammonium sulfate
B11		20% (w/v) PEG 3350		200 mM Ammonium phosphate dibasic
B12	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	30% (v/v) PEG 400		200 mM Sodium chloride
C1	100 mM Imidazole/ Hydrochloric acid pH 8.0	35% (v/v) 2- Ethoxyethanol		50 mM Calcium acetate
C2	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	10% (v/v) 2- Propanol		200 mM Sodium citrate tribasic
C3	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	1600 mM Ammonium sulfate		100 mM Sodium chloride
C4	90 mM HEPES sodium salt/ Hydrochloric acid pH 7.5	27% (v/v) 2- Propanol	10% (v/v) Glycerol	180 mM Magnesium chloride
C5	100 mM HEPES sodium salt/ Hydrochloric acid pH 7.5			1400 mM Sodium citrate tribasic
C6	100 mM HEPES sodium salt/ Hydrochloric acid pH 7.5	28% (v/v) PEG 400		200 mM Calcium chloride
C7	100 mM HEPES sodium salt/ Hydrochloric acid pH 7.5	30% (v/v) 2- Propanol		200 mM Magnesium chloride
C8	100 mM Imidazole/ Hydrochloric acid pH 8.0	40% (v/v) PEG 400		
C9	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	30% (v/v) PEG 400	5% (w/v) PEG 3000 10% (v/v) Glycerol	
C10	100 mM Tris base/ Hydrochloric acid pH 7.0	1000 mM Sodium citrate tribasic		200 mM Sodium chloride
C11	100 mM Tris base/ Hydrochloric acid pH 7.0	15% (v/v) Ethanol		
C12	100 mM Tris base/ Hydrochloric acid pH 7.0	35% (v/v) MPD		200 mM Sodium chloride
D1	100 mM Imidazole/ Hydrochloric acid pH 8.0	1000 mM Potassium/ Sodium tartrate		200 mM Sodium chloride
D2	100 mM HEPES free acid/ Sodium hydroxide pH 6.5	40% (v/v) MPD		
D3	100 mM HEPES free acid/ Sodium hydroxide pH 6.5	20% (v/v) MPD		
D4	1000 mM Imidazole/ Hydrochloric acid pH 7.0			
D5				400 mM Potassium/ Sodium tartrate
D6	100 mM HEPES free acid/ Sodium hydroxide pH 6.5			2400 mM Ammonium sulfate
D7	100 mM HEPES free acid/ Sodium hydroxide pH 7.0	20% (w/v) PEG 6000		1000 mM Lithium chloride
D8	100 mM HEPES free acid/ Sodium hydroxide pH 6.5	5% (w/v) PEG 6000		
D9	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	35% (v/v) 2- Ethoxyethanol		
D10	100 mM Tris base/ Hydrochloric acid pH 7.0	50% (v/v) PEG 200		
D11	100 mM Sodium phosphate dibasic/ Potassium phosphate monobasic pH 6.2	35% (v/v) 2- Ethoxyethanol		200 mM Sodium chloride
D12	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5			1000 mM Sodium citrate tribasic

# TECHNICAL SHEET



Well	Buffer	Precipitation Reagent 1	Precipitation Reagent 2	Salt
E1	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5			1260 mM Ammonium sulfate
E2	100 mM MES/ Sodium hydroxide pH 6.5	1800 mM Ammonium sulfate		10 mM Cobaltous chloride
E3	100 mM MES/ Sodium hydroxide pH 6.5	1600 mM Ammonium sulfate	10% (v/v) 1,4- Dioxane	
E4	100 mM MES/ Sodium hydroxide pH 6.5	1600 mM Magnesium sulfate		
E5	80 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	14.4% (w/v) PEG 8000	20% (v/v) Glycerol	160 mM Calcium acetate
E6	90 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	27% (v/v) MPD	10% (v/v) Glycerol	180 mM Magnesium acetate
E7	80 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	16% (w/v) PEG 8000	20% (v/v) Glycerol	160 mM Magnesium acetate
E8	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	18% (w/v) PEG 8000		200 mM Calcium acetate
E9	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	30% (w/v) PEG 8000		200 mM Sodium acetate
E10	100 mM Imidazole/ Hydrochloric acid pH 6.5			1000 mM Sodium acetate
E11	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	30% (v/v) MPD		200 mM Magnesium acetate
E12	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5			1400 mM Sodium acetate
F1	100 mM MES/ Sodium hydroxide pH 6.0	40% (v/v) PEG 400	5% (w/v) PEG 3000	
F2	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5	35% (v/v) 2- Ethoxyethanol		
F3	100 mM Sodium phosphate dibasic/ Potassium phosphate monobasic pH 6.2	35% (v/v) MPD		
F4	100 mM Sodium phosphate dibasic/ Potassium phosphate monobasic pH 6.2			2500 mM Sodium chloride
F5	100 mM MES/ Sodium hydroxide pH 6.0	10% (v/v) 2- Propanol		200 mM Calcium acetate
F6	100 mM MES/ Sodium hydroxide pH 6.0	10% (w/v) PEG 8000		200 mM Zinc acetate
F7	100 mM MES/ Sodium hydroxide pH 6.0			3200 mM Ammonium sulfate
F8	100 mM MES/ Sodium hydroxide pH 5.0			2400 mM Ammonium sulfate
F9	100 mM MES/ Sodium hydroxide pH 5.0			800 mM Ammonium sulfate
F10	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6	2000 mM Ammonium sulfate		200 mM Potassium/ Sodium tartrate
F11	85 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6	25.5% (w/v) PEG 4000	15% (v/v) Glycerol	170 mM Ammonium acetate
F12	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6			1000 mM Ammonium phosphate monobasic
G1	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5			2000 mM Ammonium sulfate
G2	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	40% (v/v) PEG 400		
G3	100 mM Tris base/ Hydrochloric acid pH 7.0	40% (v/v) PEG 300	5% (w/v) PEG 1000	
G4	100 mM Sodium phosphate dibasic/ Citric acid pH 4.2	40% (v/v) PEG 600		
G5		20% (w/v) PEG 3350		200 mM Calcium chloride
G6	100 mM Sodium acetate/ Hydrochloric acid pH 5.0	40% (v/v) MPD		
G7	100 mM Citric acid/ Sodium hydroxide pH 5.0			1000 mM Lithium chloride
G8	100 mM Citric acid/ Sodium hydroxide pH 4.0	30% (w/v) PEG 6000		
G9		16% (w/v) PEG 8000	20% (v/v) Glycerol	40 mM Potassium phosphate monobasic
G10	100 mM Sodium acetate/ Hydrochloric acid pH 4.6	30% (v/v) PEG 400		100 mM Cadmium chloride
G11	100 mM Sodium acetate/ Hydrochloric acid pH 4.6	30% (v/v) MPD		200 mM Sodium chloride
G12	100 mM Sodium acetate/ Hydrochloric acid pH 4.6			2000 mM Sodium chloride
H1	100 mM Sodium acetate/ Hydrochloric acid pH 4.6			2000 mM Sodium formate
H2	100 mM Sodium acetate/ Hydrochloric acid pH 4.6	20% (v/v) 2- Propanol		200 mM Calcium chloride
H3	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	2500 mM Sodium chloride		200 mM Lithium sulfate
H4	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	20% (v/v) 1,4- Butanediol		
H5	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	1260 mM Ammonium sulfate		200 mM Sodium chloride
H6		35% (v/v) Glycerol		260 mM Ammonium phosphate monobasic
H7	100 mM Citric acid/ Sodium hydroxide pH 2.5	40% (v/v) MPD		
H8	100 mM Citric acid/ Sodium hydroxide pH 3.5			2400 mM Ammonium sulfate
H9	100 mM Citric acid/ Sodium hydroxide pH 3.5			1600 mM Ammonium sulfate
H10		10% (w/v) PEG 6000		2000 mM Sodium chloride
H11		30% (w/v) PEG 4000		200 mM Ammonium sulfate
H12		30% (w/v) PEG 8000		200 mM Ammonium sulfate

7865 NE Day Road West, STE 109 Bainbridge Island, WA USA 98110 Main Office: 1-855-528-5644 Fax: 1-206-452-7061



Rigaku is proudly represented in  
Australia and New Zealand by  
AXT Pty. Ltd.  
1/3 Vuko Pl., Warriewood  
NSW 2102 Australia  
T. +61 (0)2 9450 1359 F. +61 (0)2 9450 1365  
W. [www.axt.com.au](http://www.axt.com.au) E. [info@axt.com.au](mailto:info@axt.com.au)