

## JCSG Core Suite 4

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

1009845

Well	Buffer	Precipitation Reagent 1	Precipitation Reagent 2	Salt
A1	100 mM CAPS/ Sodium hydroxide pH 10.5	2000 mM Ammonium sulfate		200 mM Lithium sulfate
A2	100 mM Glycine/ Sodium hydroxide pH 10.5	1200 mM Sodium phosphate monobasic	800 mM Potassium phosphate dibasic	200 mM Lithium sulfate
A3	100 mM CAPS/ Sodium hydroxide pH 10.5	40% (v/v) MPD		
A4	100 mM CHES/ Sodium hydroxide pH 9.5	10% (w/v) PEG 3000		
A5	100 mM CHES/ Sodium hydroxide pH 9.5	1000 mM Potassium/ Sodium tartrate		200 mM Lithium sulfate
A6	100 mM CHES/ Sodium hydroxide pH 9.5	30% (v/v) PEG 400		
A7	100 mM CHES/ Sodium hydroxide pH 9.5	15% (v/v) Ethanol		
A8	100 mM CHES/ Sodium hydroxide pH 9.5	40% (v/v) PEG 300		200 mM Sodium citrate tribasic
A9	100 mM CHES/ Sodium hydroxide pH 9.5	40% (v/v) MPD		
A10	100 mM Bicine/ Sodium hydroxide pH 9.0			1600 mM Ammonium sulfate
A11	100 mM Bicine/ Sodium hydroxide pH 9.0			800 mM Ammonium sulfate
A12	100 mM Bicine/ Sodium hydroxide pH 9.0			2400 mM Ammonium sulfate
B1	100 mM Bicine/ Sodium hydroxide pH 8.5	10% (w/v) PEG 6000		
B2	100 mM Bicine/ Sodium hydroxide pH 9.0			2400 mM Ammonium sulfate
B3	100 mM Bicine/ Sodium hydroxide pH 8.5	30% (w/v) PEG 6000		
B4	100 mM Bicine/ Sodium hydroxide pH 8.5	65% (v/v) MPD		
B5	100 mM Bicine/ Sodium hydroxide pH 9.0			2000 mM Magnesium chloride
B6	100 mM Tris base/ Hydrochloric acid pH 8.5	10% (v/v) 2- Propanol		
B7	100 mM Tris base/ Hydrochloric acid pH 8.5	50% (v/v) Ethylene glycol		200 mM Magnesium chloride
B8	100 mM Tris base/ Hydrochloric acid pH 8.5	25% (v/v) 1,2- Propanediol	10% (v/v) Glycerol	200 mM Magnesium chloride
B9	100 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	30% (w/v) PEG 4000		200 mM Magnesium chloride
B10	100 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	30% (v/v) PEG 400		200 mM Sodium citrate tribasic
B11	100 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	30% (w/v) PEG 4000		200 mM Lithium sulfate
B12	100 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	30% (v/v) 2- Propanol		200 mM Ammonium acetate
C1	100 mM Tris base/ Hydrochloric acid pH 8.5	12% (v/v) Glycerol		1500 mM Ammonium sulfate
C2	90 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	27% (v/v) PEG 400	10% (v/v) Glycerol	180 mM Sodium citrate tribasic
C3	85 mM Tris hydrochloride/ Sodium hydroxide pH 8.5	25.5% (w/v) PEG 4000	15% (v/v) Glycerol	170 mM Sodium acetate
C4	100 mM Imidazole/ Hydrochloric acid pH 8.0	10% (v/v) 2- Propanol		
C5	100 mM Imidazole/ Hydrochloric acid pH 8.0	2500 mM Sodium chloride		200 mM Zinc acetate
C6	100 mM Imidazole/ Hydrochloric acid pH 8.0	2500 mM Sodium chloride		
C7	100 mM Imidazole/ Hydrochloric acid pH 8.0	10% (w/v) PEG 8000		
C8	100 mM Imidazole/ Hydrochloric acid pH 8.0	1000 mM Ammonium phosphate dibasic		200 mM Sodium chloride
C9	100 mM Tris base/ Hydrochloric acid pH 8.5			1600 mM Ammonium sulfate
C10	100 mM Tris base/ Hydrochloric acid pH 8.5	5% (w/v) PEG 6000		
C11	100 mM Tris base/ Hydrochloric acid pH 8.5	65% (v/v) MPD		
C12	100 mM Tris base/ Hydrochloric acid pH 8.5	10% (w/v) PEG 6000		1000 mM Lithium chloride
D1	100 mM Tris base/ Hydrochloric acid pH 8.0			3200 mM Ammonium sulfate
D2	100 mM HEPES free acid/ Sodium hydroxide pH 7.5			1260 mM Ammonium sulfate
D3	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	35% (v/v) MPD		200 mM Sodium chloride
D4	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	50% (v/v) PEG 200		
D5	100 mM HEPES free acid/ Sodium hydroxide pH 7.5			1500 mM Lithium sulfate
D6	100 mM HEPES free acid/ Sodium hydroxide pH 7.5			4300 mM Sodium chloride
D7	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	30% (v/v) MPD		200 mM Sodium citrate tribasic
D8	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	8% (v/v) Ethylene glycol	20% (w/v) PEG 10000	
D9	90 mM HEPES free acid/ Sodium hydroxide pH 7.5	10% (v/v) Glycerol		1260 mM Sodium citrate tribasic
D10	85mM HEPES free acid/ Sodium hydroxide pH 7.5	1.7% (v/v) PEG 400	15% (v/v) Glycerol	1700 mM Ammonium sulfate
D11	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	30% (v/v) PEG 600	10% (v/v) Glycerol	50 mM Lithium sulfate
D12	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	30% (v/v) 1,2- Propanediol	20% (v/v) PEG 400	

# TECHNICAL SHEET



Well	Buffer	Precipitation Reagent 1	Precipitation Reagent 2	Salt
E1	100 mM Tris base/ Hydrochloric acid pH 7.0	25% (v/v) 1,2- Propanediol	10% (v/v) Glycerol	200 mM Ammonium sulfate
E2	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	40% (v/v) Ethylene glycol	5% (w/v) PEG 3000	
E3	100 mM Tris base/ Hydrochloric acid pH 7.0	40% (v/v) MPD		200 mM Ammonium sulfate
E4				4000 mM Sodium formate
E5		10% (v/v) Glycerol		3600 mM Sodium formate
E6	100 mM HEPES free acid/ Sodium hydroxide pH 7.5	40% (v/v) PEG 400		200 mM Calcium acetate
E7	100 mM Tris base/ Hydrochloric acid pH 7.0	30% (v/v) PEG 300		200 mM Sodium chloride
E8	100 mM Tris base/ Hydrochloric acid pH 7.0	1000 mM Potassium/ Sodium tartrate		200 mM Lithium sulfate
E9	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	40% (v/v) PEG 600		200 mM Calcium acetate
E10	100 mM HEPES free acid/ Sodium hydroxide pH 6.5			800 mM Ammonium sulfate
E11	100 mM HEPES free acid/ Sodium hydroxide pH 7.0			3200 mM Ammonium sulfate
E12	100 mM HEPES free acid/ Sodium hydroxide pH 6.5	30% (w/v) PEG 6000		
F1	100 mM HEPES free acid/ Sodium hydroxide pH 7.0			1000 mM Lithium chloride
F2	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	30% (v/v) PEG 600	10% (v/v) Glycerol	1000 mM Sodium chloride
F3	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	10% (v/v) 2- Propanol		200 mM Zinc acetate
F4	100 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	45% (v/v) Glycerol		200 mM Calcium acetate
F5	100 mM HEPES free acid/ Sodium hydroxide pH 7.0	30% (v/v) Jeffamine M600		
F6	100 mM MES/ Sodium hydroxide pH 6.5	100 mM Potassium phosphate monobasic	100 mM Sodium phosphate monobasic	2000 mM Sodium chloride
F7	80 mM Sodium cacodylate/ Hydrochloric acid pH 6.5	14.4% (w/v) PEG 8000	20% (v/v) Glycerol	160 mM Zinc acetate
F8	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5	30% (v/v) 1,2- Propanediol	20% (v/v) MPD	
F9		20% (w/v) PEG 3350		200 mM Zinc acetate
F10	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5	5% (w/v) PEG 1000	35% (v/v) 2- Propanol	
F11	100 mM MES/ Sodium hydroxide pH 6.0	30% (v/v) PEG 600	5% (w/v) PEG 1000 10% (v/v) Glycerol	
F12	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5	40% (v/v) MPD		
G1	100 mM Imidazole/ Hydrochloric acid pH 8.0	35% (v/v) 2- Propanol		200 mM Zinc acetate
G2	100 mM MES/ Sodium hydroxide pH 6.0			1000 mM Potassium/ Sodium tartrate
G3	100 mM MES/ Sodium hydroxide pH 6.0	20% (v/v) 1,4- Butanediol		200 mM Lithium sulfate
G4	100 mM MES/ Sodium hydroxide pH 6.0	15% (v/v) Ethanol		200 mM Zinc acetate
G5	100 mM MES/ Sodium hydroxide pH 5.0			1600 mM Ammonium sulfate
G6	100 mM MES/ Sodium hydroxide pH 5.0	30% (w/v) PEG 6000		
G7	100 mM Imidazole/ Hydrochloric acid pH 8.0	40% (v/v) PEG 300		200 mM Zinc acetate
G8	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6	30% (v/v) MPD		200 mM Ammonium acetate
G9	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6	10% (v/v) Jeffamine M600		10 mM Iron (II) chloride
G10	70 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.6	30% (v/v) Glycerol		700 mM Ammonium phosphate monobasic
G11	100 mM Sodium citrate tribasic/ Hydrochloric acid pH 5.5	15% (v/v) Ethanol		200 mM Lithium sulfate
G12	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	40% (v/v) 1,2-Propanediol		50 mM Calcium acetate
H1	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	35% (v/v) 2- Propanol		
H2	100 mM Sodium acetate/ Hydrochloric acid pH 4.6	30% (w/v) PEG 4000		200 mM Ammonium acetate
H3	85 mM Sodium acetate/ Hydrochloric acid pH 4.6	25.5% (w/v) PEG 4000	15% (v/v) Glycerol	170 mM Ammonium acetate
H4	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	20% (w/v) PEG 1000		200 mM Zinc acetate
H5	100 mM Sodium acetate/ Hydrochloric acid pH 4.5			1000 mM Ammonium phosphate dibasic
H6	100 mM Sodium acetate/ Hydrochloric acid pH 4.5	1200 mM Potassium phosphate dibasic	800 mM Sodium phosphate monobasic	
H7	100 mM Sodium phosphate dibasic/ Citric acid pH 4.2	40% (v/v) Ethylene glycol		200 mM Ammonium sulfate
H8		10% (v/v) Ethanol		1500 mM Sodium chloride
H9		25% (v/v) Glycerol		1500 mM Ammonium sulfate
H10	100 mM Sodium phosphate dibasic/ Citric acid pH 4.2	400 mM Potassium phosphate dibasic	1600 mM Sodium phosphate monobasic	
H11	100 mM Citric acid/ Sodium hydroxide pH 2.5	30% (w/v) PEG 6000		
H12	100 mM Citric acid/ Sodium hydroxide pH 2.5	30% (w/v) PEG 6000		1000 mM Lithium chloride