

## JBS Crystallization Freshman Kit – Junior

Cat.-No.: CSK-101

Get a head start crystallizing your protein  
JBScreen JCSG ++

Number	Precipitant 1	Precipitant 2	Buffer	pH	Salt	pH
1	50% v/v PEG 400	None	100 mM Sodium Acetate	4.5	200 mM Lithium Sulfate	
2	20% w/v PEG 3000	None	100 mM Sodium Citrate	5.5	None	
3	20% w/v PEG 3350	None	None		200 mM di-Ammonium hydrogen Citrate	5.0
4	30% v/v MPD	None	100 mM Sodium Acetate	4.6	20 mM Calcium Chloride	
5	20% w/v PEG 3350	None	None		200 mM Magnesium Formate	5.9
6	20% w/v PEG 1000	None	100 mM Phosphate / Citrate	4.2	200 mM Lithium Sulfate	
7	20% w/v PEG 8000	None	100 mM CHES	9.5	None	
8	20% w/v PEG 3350	None	None		200 mM Ammonium Formate	6.6
9	20% w/v PEG 3350	None	None		200 mM Ammonium Chloride	6.3
10	20% w/v PEG 3350	None	None		200 mM Potassium Formate	7.3
11	50% v/v MPD	None	100 mM Tris-HCl	8.5	200 mM Ammonium dihydrogen Phosphate	
12	20% w/v PEG 3350	None	None		200 mM Potassium Nitrate	6.9
13	None	None	100 mM Citric Acid	4.0	800 mM Ammonium Sulfate	
14	20% w/v PEG 3550	None	None		200 mM Sodium Thiocyanate	6.9
15	20% w/v PEG 6000	None	100 mM Bicine	9.0	None	
16	10% w/v PEG 8000	8% v/v Ethylene Glycol	100 mM HEPES Sodium Salt	7.5	None	
17	40% v/v MPD	5% w/v PEG 8000	100 mM MES Sodium Salt	6.5	None	
18	40% v/v Ethanol	5% w/v PEG 1000	100 mM Phosphate / Citrate	4.2	None	
19	8% w/v PEG 4000	None	100 mM Sodium Acetate	4.6	None	
20	10% w/v PEG 8000	None	100 mM Tris-HCl	7.0	200 mM Magnesium Chloride	
21	20% w/v PEG 6000	None	100 mM Citric Acid	5.0	None	
22	50% v/v PEG 200	None	100 mM MES Sodium Salt	6.5	200 mM Magnesium Chloride	
23	None	None	None		1.6 M Sodium Citrate	
24	20% w/v PEG 3350	None	None		200 mM Potassium Citrate	8.3

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25	20% w/v PEG 8000	None	100 mM Phosphate / Citrate	4.2	200 mM Sodium Chloride	
26	20% w/v PEG 6000	None	100 mM Citric Acid	4.0	1.0 M Lithium Chloride	
27	20% w/v PEG 3350	None	None		200 mM Ammonium Nitrate	6.3
28	10% w/v PEG 6000	None	100 mM HEPES Sodium Salt	7.0	None	
29	800 mM Sodium dihydrogen Phosphate	800 mM Potassium dihydrogen Phosphate	100 mM HEPES Sodium Salt	7.5	None	
30	40% v/v PEG 300	None	100 mM Phosphate / Citrate	4.2	None	
31	10% w/v PEG 3000	None	100 mM Sodium Acetate	4.5	200 mM Zinc Acetate	
32	20% v/v Ethanol	None	100 mM Tris-HCl	8.5	None	
33	25% v/v 1,2-Propanediol	10% v/v Glycerol	100 mM Sodium / Potassium Phosphate	6.2	None	
34	10% w/v PEG 20000	2% v/v 1,4-Dioxane	100 mM Bicine	9.0	None	
35	None	None	100 mM Sodium Acetate	4.6	2.0 M Ammonium Sulfate	
36	10% w/v PEG 1000	10% w/v PEG 8000	None		None	
37	24% w/v PEG 1500	20% v/v Glycerol	None		None	
38	30% v/v PEG 400	None	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride	
39	50% v/v PEG 200	None	100 mM Sodium / Potassium Phosphate	6.2	200 mM Sodium Chloride	
40	30% w/v PEG 8000	None	100 mM Sodium Acetate	4.5	200 mM Lithium Sulfate	
41	70% v/v MPD	None	100 mM HEPES Sodium Salt	7.5	None	
42	20% w/v PEG 8000	None	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride	
43	40% v/v PEG 400	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate	
44	40% v/v MPD	None	100 mM Tris-HCl	8.0	None	
45	25.5% w/v PEG 4000	15% v/v Glycerol	None		170 mM Ammonium Sulfate	
46	40% v/v PEG 300	None	100 mM MES Sodium Salt	6.5	200 mM Calcium Acetate	
47	14% v/v 2-Propanol	30% v/v Glycerol	70 mM Sodium Acetate	4.6	140 mM Calcium Chloride	
48	16% w/v PEG 8000	20% v/v Glycerol	None		40 mM Potassium dihydrogen Phosphate	

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49	None	None	100 mM MES Sodium Salt	6.5	1.0 M Sodium Citrate	
50	2.0 M Ammonium Sulfate	None	100 mM MES Sodium Salt	6.5	200 mM Sodium Chloride	
51	10% v/v 2-Propanol	None	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Chloride	
52	1.26 M Ammonium Sulfate	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate	
53	40% v/v MPD	None	100 mM CAPS	10.5	None	
54	20% w/v PEG 3000	None	100 mM Imidazole-HCl	8.0	200 mM Zinc Acetate	
55	10% v/v 2-Propanol	None	100 mM MES Sodium Salt	6.5	200 mM Zinc Acetate	
56	None	None	100 mM Sodium Acetate	4.5	1.0 M di-Ammonium hydrogen Phosphate	
57	None	None	100 mM MES Sodium Salt	6.5	1.6 M Magnesium Sulfate	
58	10% w/v PEG 6000	None	100 mM Bicine	9.0	None	
59	14.4% w/v PEG 8000	20% v/v Glycerol	80 mM MES Sodium Salt	6.5	160 mM Calcium Acetate	
60	10% w/v PEG 8000	None	100 mM Imidazole-HCl	8.0	None	
61	30% v/v Jeffamine M-600	None	100 mM MES Sodium Salt	6.5	50 mM Cesium Chloride	
62	None	None	100 mM Citric Acid	5.0	3.15 M Ammonium Sulfate	
63	20% v/v MPD	None	100 mM Tris-HCl	8.0	None	
64	20% v/v Jeffamine M-600	None	100 mM HEPES Sodium Salt	7.5	None	
65	50% v/v Ethylene Glycol	None	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride	
66	10% v/v MPD	None	100 mM Bicine	9.0	None	
67	None	None	None		800 mM Succinic Acid	7.0
68	None	None	None		2.1 M D,L-Malic Acid	7.0
69	None	None	None		2.4 M Sodium Malonate	7.0
70	0.5% w/v Jeffamine ED-2001 pH 7.0	None	100 mM HEPES Sodium Salt	7.0	1.1 M Sodium Malonate	7.0
71	1% w/v PEG 2000 MME	None	100 mM HEPES Sodium Salt	7.0	1.0 M Succinic Acid	7.0
72	30% v/v Jeffamine M-600 pH 7.0	None	100 mM HEPES Sodium Salt	7.0	None	

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Number	Precipitant 1	Buffer	pH	Salt	pH
73	30% w/v Jeffamine ED-2001 pH 7.0	100 mM HEPES Sodium Salt	7.0	None	
74	22% w/v Polyacrylic Acid 5100 Sodium Salt	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride	
75	20% w/v Polyvinylpyrrolidone K 15	100 mM Tris-HCl	8.5	100 mM Cobalt Chloride	
76	20% w/v PEG 2000 MME	100 mM Tris-HCl	8.5	200 mM Trimethyl-N-oxide	
77	12% w/v PEG 3350	100 mM HEPES Sodium Salt	7.5	5 mM Cobalt Chloride, 5 mM Cadmium Chloride 5 mM Magnesium Chloride, 5 mM Nickel Chloride	
78	20% w/v PEG 3350	None		200 mM Sodium Malonate	7.0
79	15% w/v PEG 3350	None		100 mM Succinic Acid	7.0
80	20% w/v PEG 3350	None		150 mM D,L-Malic Acid	7.0
81	30% w/v PEG 2000 MME	None		100 mM Potassium Thiocyanate	
82	30% w/v PEG 2000 MME	None		150 mM Potassium Bromide	
83	None	100 mM Bis-Tris	5.5	2.0 M Ammonium Sulfate	
84	None	100 mM Bis-Tris	5.5	3.0 M Sodium Chloride	
85	None	100 mM Bis-Tris	5.5	300 mM Magnesium Formate	
86	1% w/v PEG 3550	100 mM Bis-Tris	5.5	1.0 M Ammonium Sulfate	
87	25% w/v PEG 3350	100 mM Bis-Tris	5.5	None	
88	45% v/v MPD	100 mM Bis-Tris	5.5	200 mM Calcium Chloride	
89	45% v/v MPD	100 mM Bis-Tris	5.5	200 mM Ammonium Acetate	
90	17% w/v PEG 10000	100 mM Bis-Tris	5.5	100 mM Ammonium Acetate	
91	25% w/v PEG 3350	100 mM Bis-Tris	5.5	200 mM Ammonium Sulfate	
92	25% w/v PEG 3350	100 mM Bis-Tris	5.5	200 mM Sodium Chloride	
93	25% w/v PEG 3350	100 mM Bis-Tris	5.5	200 mM Lithium Sulfate	
94	25% w/v PEG 3350	100 mM Bis-Tris	5.5	200 mM Ammonium Acetate	
95	25% w/v PEG 3350	100 mM Bis-Tris	5.5	200 mM Magnesium Chloride	
96	45% v/v MPD	100 mM HEPES	7.5	200 mM Ammonium Acetate	