

JBS Crystallization Freshman Kit – Scholar

Cat.-No: CSK-102

Get a head start crystallizing your protein
JBScreen Classic 1

Number	Precipitant 1	Precipitant 2	Buffer	pH	Additive
A 1	15 % w/v PEG 400	None	100 mM Sodium Acetate	4.6	100 mM Calcium Chloride
A 2	15 % w/v PEG 400	None	100 mM MES Sodium Salt	6.5	None
A 3	15 % w/v PEG 400	None	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride
A 4	15 % w/v PEG 400	None	100 mM Tris-HCl	8.5	200 mM Sodium Citrate
A 5	25 % w/v PEG 400	None	100 mM Sodium Acetate	4.6	100 mM Magnesium Chloride
A 6	25 % w/v PEG 400	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate
B 1	28 % w/v PEG 400	None	100 mM HEPES Sodium Salt	7.5	200 mM Calcium Chloride
B 2	30 % w/v PEG 400	None	100 mM Sodium Acetate	4.6	100 mM Calcium Chloride
B 3	30 % w/v PEG 400	None	100 mM MES Sodium Salt	6.5	100 mM Sodium Acetate
B 4	30 % w/v PEG 400	None	100 mM MES Sodium Salt	6.5	100 mM Magnesium Chloride
B 5	30 % w/v PEG 400	None	100 mM HEPES Sodium Salt	7.5	200 mM Magnesium Chloride
B 6	30 % w/v PEG 400	None	100 mM Tris-HCl	8.5	200 mM Calcium Citrate
C 1	30 % w/v PEG 550 MME	None	100 mM Bicine	9.0	100 mM Sodium Chloride
C 2	28 % w/v PEG 550 MME	None	100 mM MES Sodium Salt	6.5	10 mM Zinc Sulfate
C 3	25 % w/v PEG 1000	None	100 mM HEPES Sodium Salt	7.5	None
C 4	30 % w/v PEG 1000	None	100 mM Tris-HCl	8.5	None
C 5	15 % w/v PEG 1500	None	None		None
C 6	20 % w/v PEG 1500	None	100 mM HEPES Sodium Salt	7.5	None
D 1	30 % w/v PEG 1500	None	None		None
D 2	20 % w/v PEG 2000 MME	None	100 mM Tris-HCl	8.5	10 mM Nickel (II) Chloride
D 3	25 % w/v PEG 2000 MME	None	None		None
D 4	30 % w/v PEG 2000 MME	None	100 mM MES Sodium Salt	6.5	100 mM Sodium Acetate
D 5	20 % w/v PEG 3000	None	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Acetate
D 6	30 % w/v PEG 3000	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate

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JBScreen Classic 2

Number	Precipitant 1	Precipitant 2	Buffer	pH	Additive
A 1	4 % w/v PEG 4000	None	100 mM Sodium Acetate	4.6	None
A 2	8 % w/v PEG 4000	None	None		None
A 3	8 % w/v PEG 4000	None	100 mM Sodium Acetate	4.6	None
A 4	10 % w/v PEG 4000	None	100 mM MES Sodium Salt	6.5	200 mM Magnesium Chloride
A 5	12 % w/v PEG 4000	None	100 mM HEPES Sodium Salt	7.5	100 mM Sodium Acetate
A 6	12 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	None
B 1	16 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate
B 2	16 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Sodium Acetate
B 3	16 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride
B 4	18 % w/v PEG 4000	None	100 mM Sodium Acetate	4.6	None
B 5	20 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate
B 6	20 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Calcium Chloride
C 1	22 % w/v PEG 4000	None	100 mM HEPES Sodium Salt	7.5	100 mM Sodium Acetate
C 2	25 % w/v PEG 4000	None	100 mM Sodium Acetate	4.6	None
C 3	25 % w/v PEG 4000	None	100 mM MES Sodium Salt	6.5	200 mM Magnesium Chloride
C 4	25 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Calcium Chloride
C 5	30 % w/v PEG 4000	None	None		None
C 6	30 % w/v PEG 4000	None	100 mM Sodium Acetate	4.6	100 mM Magnesium Chloride
D 1	30 % w/v PEG 4000	None	100 mM MES Sodium Salt	6.5	None
D 2	30 % w/v PEG 4000	None	100 mM HEPES Sodium Salt	7.5	200 mM Calcium Chloride
D 3	30 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate
D 4	30 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Sodium Acetate
D 5	30 % w/v PEG 4000	None	100 mM Tris-HCl	8.5	200 mM Magnesium Chloride
D 6	35 % w/v PEG 4000	None	None		None

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JBScreen Classic 4

Number	Precipitant 1	Precipitant 2	Buffer	pH	Additive 1	Additive 2
A 1	25 % w/v PEG 5000 MME	None	100 mM Tris-HCl	8.5	200 mM Lithium Sulfate	None
A 2	30 % w/v PEG 5000 MME	None	100 mM MES Sodium Salt	6.5	200 mM Ammonium Sulfate	None
A 3	3 % w/v PEG 6000	None	100 mM Tris-HCl	8.5	100 mM Potassium Chloride	None
A 4	10 % w/v PEG 6000	None	None		10 mM Magnesium Chloride	None
A 5	12 % w/v PEG 6000	2.0 M Sodium Chloride	None		None	None
A 6	15 % w/v PEG 6000	5 % w/v Glycerol	None		None	None
B 1	15 % w/v PEG 6000	50 mM Potassium Chloride	None		10 mM Magnesium Chloride	None
B 2	16 % w/v PEG 6000	None	None		10 mM Sodium Citrate	None
B 3	20 % w/v PEG 6000	None	50 mM Imidazole-HCl	8.0	None	None
B 4	25 % w/v PEG 6000	None	100 mM HEPES Sodium Salt	7.5	100 mM Lithium Chloride	None
B 5	28 % w/v PEG 6000	500 mM Lithium Chloride	100 mM Tris-HCl	8.5	None	None
B 6	30 % w/v PEG 6000	1.0 M Lithium Chloride	None		100 mM Sodium Acetate	None
C 1	33 % w/v PEG 6000	None	None		10 mM Sodium Citrate	None
C 2	2 % w/v PEG 8000	500 mM Lithium Sulfate	None		None	None
C 3	2 % w/v PEG 8000	1.0 M Lithium Sulfate	None		None	None
C 4	4 % w/v PEG 8000	None	None		None	None
C 5	8 % w/v PEG 8000	200 mM Lithium Chloride	None		50 mM Magnesium Sulfate	None
C 6	8 % w/v PEG 8000	None	100 mM Tris-HCl	8.5	None	None
D 1	10 % w/v PEG 8000	None	100 mM MES Sodium Salt	6.5	200 mM Zinc Acetate	None
D 2	10 % w/v PEG 8000	None	100 mM HEPES Sodium Salt	7.5	200 mM Calcium Acetate	None
D 3	10 % w/v PEG 8000	None	None		50 mM Magnesium Acetate	100 mM Sodium Acetate
D 4	10 % w/v PEG 8000	None	None		200 mM Magnesium Acetate	None
D 5	10 % w/v PEG 8000	10 % w/v Ethylene Glycol	100 mM HEPES Sodium Salt	7.5	None	None
D 6	10 % w/v PEG 8000	10 % w/v PEG 1000	None		None	None

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JBScreen Classic 6

Number	Precipitant 1	Precipitant 2	Buffer	pH	Additive
A 1	500 mM Ammonium Sulfate	1.0 M Lithium Sulfate	None		100 mM Sodium Citrate
A 2	1.0 M Ammonium Sulfate	None	None		None
A 3	1.0 M Ammonium Sulfate	None	100 mM Sodium Acetate	4.6	None
A 4	1.0 M Ammonium Sulfate	2 % w/v PEG 400	100 mM HEPES Sodium Salt	7.5	None
A 5	1.0 M Ammonium Sulfate	None	100 mM Tris-HCl	8.5	None
A 6	1.2 M Ammonium Sulfate	3 % w/v 2-Propanol	None		50 mM Sodium Citrate
B 1	1.5 M Ammonium Sulfate	15 % w/v Glycerol	100 mM Tris-HCl	8.5	None
B 2	1.6 M Ammonium Sulfate	500 mM Lithium Chloride	None		None
B 3	1.6 M Ammonium Sulfate	1.0 M Lithium Sulfate	None		None
B 4	1.6 M Ammonium Sulfate	None	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Chloride
B 5	1.6 M Ammonium Sulfate	2 % w/v PEG 1000	100 mM HEPES Sodium Salt	7.5	None
B 6	1.8 M Ammonium Sulfate	None	100 mM MES Sodium Salt	6.5	None
C 1	2.0 M Ammonium Sulfate	2.0 M Sodium Chloride	None		None
C 2	2.0 M Ammonium Sulfate	None	100 mM Sodium Acetate	4.6	None
C 3	2.0 M Ammonium Sulfate	5 % w/v PEG 400	100 mM MES Sodium Salt	6.5	None
C 4	2.0 M Ammonium Sulfate	None	100 mM Tris-HCl	8.5	None
C 5	2.2 M Ammonium Sulfate	None	None		None
C 6	2.2 M Ammonium Sulfate	20 % w/v Glycerol	None		None
D 1	2.4 M Ammonium Sulfate	None	None		100 mM Sodium Citrate
D 2	3.0 M Ammonium Sulfate	1 % w/v MPD	None		None
D 3	3.0 M Ammonium Sulfate	10 % w/v Glycerol	None		None
D 4	3.5 M Ammonium Sulfate	None	100 mM HEPES Sodium Salt	7.5	None
D 5	3.5 M Ammonium Sulfate	1 % w/v MPD	100 mM MES Sodium Salt	6.5	None
D 6	3.5 M Ammonium Sulfate	None	None		None

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Number	Precipitant 1	Precipitant 2	Buffer	pH	Additive
A 1	10 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	100 mM Sodium Citrate
A 2	12 % w/v MPD	None	100 mM Tris-HCl	8.5	50 mM Magnesium Chloride
A 3	15 % w/v MPD	None	100 mM Sodium Acetate	4.6	20 mM Calcium Chloride
A 4	15 % w/v MPD	5 % w/v PEG 4000	100 mM Imidazole-HCl	8.0	None
A 5	15 % w/v MPD	None	100 mM Sodium Citrate	5.6	200 mM Ammonium Acetate
A 6	15 % w/v MPD	None	100 mM MES Sodium Salt	6.5	200 mM Magnesium Acetate
B 1	15 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Citrate
B 2	20 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	100 mM Sodium Citrate
B 3	20 % w/v MPD	None	100 mM Imidazole-HCl	8.0	None
B 4	20 % w/v MPD	4 % w/v Glycerol	None		200 mM Sodium Chloride
B 5	30 % w/v MPD	None	100 mM Sodium Acetate	4.6	20 mM Calcium Chloride
B 6	30 % w/v MPD	None	100 mM Sodium Citrate	5.6	200 mM Ammonium Acetate
C 1	30 % w/v MPD	None	100 mM MES Sodium Salt	6.5	200 mM Magnesium Acetate
C 2	30 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	500 mM Ammonium Sulfate
C 3	30 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	200 mM Sodium Citrate
C 4	30 % w/v MPD	5 % w/v PEG 4000	100 mM HEPES Sodium Salt	7.5	None
C 5	30 % w/v MPD	10 % w/v PEG 4000	100 mM Imidazole-HCl	8.0	None
C 6	30 % w/v MPD	20 % w/v Ethanol	None		None
D 1	35 % w/v MPD	None	None		None
D 2	35 % w/v MPD	None	100 mM Imidazole-HCl	8.0	None
D 3	40 % w/v MPD	None	100 mM Tris-HCl	8.5	None
D 4	47 % w/v MPD	None	100 mM HEPES Sodium Salt	7.5	None
D 5	47 % w/v MPD	2 % w/v tert-Butanol	None		None
D 6	50 % w/v MPD	None	None		None