Emerald BioSystems

Cat.# EBS-WIZ-EXT

Wizard™ III random sparse matrix crystallization screen - technical sheet

Formulations:

	crystallant	buffer	pH	salt/additive #1	additive #2
1	20%(w/v) PEG 3350			.2M Ammonium citrate (dibasic)	
2	30%(v/v) MPD	.1M Sodium acetate	4.6	.02M Calcium chloride	
3	20%(w/v) PEG 3350			.2M Magnesium formate	
4	20%(w/v) PEG 3350			.2M Ammonium formate	
5	20%(w/v) PEG 3350			.2M Ammonium chloride	
6	20%(w/v) PEG 3350			.2M Potassium formate	
7	50%(w/v) MPD	.1M Tris	8.5	.2M Ammonium phosphate (monobasic)	
8	20%(w/v) PEG 3350			.2M Potassium nitrate	
9	0.8M Ammonium sulfate	.1M Citric acid	4.0		
10	20%(w/v) PEG 3350			.2M Sodium thiocyanate	
11	20%(w/v) PEG 6000	.1M Bicine	9.0		
12	10%(w/v) PEG 8000	.1M HEPES	7.5	8%(v/v) Ethylene glycol	
13	8%(w/v) PEG 4000	.1M Sodium acetate	4.6		
14	20%(w/v) PEG 6000	.1M Citric acid	5.0		
15	1.6M Sodium citrate				
16	20%(w/v) PEG 3350			.2M Potassium citrate tribasic	
17	20%(w/v) PEG 4000	.1M Citrate	5.5	10%(v/v) 2-propanol	
18	20%(w/v) PEG 6000	.1M Citric acid	4.0	1M Lithium chloride	
19	20%(w/v) PEG 3350			.2M Ammonium nitrate	
20	10%(w/v) PEG 6000	.1M HEPES	7.0		
21	.8M Potassium phosphate (dibasic)	.1M HEPES	7.5	.8M Sodium phosphate (monobasic)	
22	20%(v/v) Ethanol	.1M Tris	8.5		
23	10%(w/v) PEG 20,000	.1M Bicine	9.0	2%(v/v) Dioxane	
24	2M Ammonium sulfate	.1M Sodium acetate	4.6		
25	10%(w/v) PEG 1000			10%(w/v) PEG 8000	
26	24%(w/v) PEG 1500			20%(v/v) Glycerol	
27	30%(v/v) PEG 400	.1M HEPES	7.5	.2M Magnesium chloride	
28	70%(v/v) MPD	.1M HEPES	7.5		
29	40%(v/v) MPD	.1M Tris	8.0		
30	25.5%(w/v) PEG 4000			.17M Ammonium sulfate	15%(v/v) Glycerol
31	14%(v/v) 2-propanol	.07M Sodium acetate	4.6	.14M Calcium chloride	30%(v/v) Glycerol
32	16%(w/v) PEG 8000			.04M Potassium phosphate (monobasic)	20%(v/v) Glycerol
33	1.6M Magnesium sulfate	.1M MES	6.5		
34	10%(w/v) PEG 6000	.1M Bicine	9.0		
35	14.4%(w/v) PEG 8000	.08M Cacodylate	6.5	.16M Calcium acetate	20%(v/v) Glycerol
36	30%(v/v) Jeffamine M-600	.1M MES	6.5	.05M Cesium chloride	
37	3.2M Ammonium sulfate	.1M Citric acid	5.0		
38	15%(w/v) PEG 10,000	.1M Citrate	5.5	2%(v/v) Dioxane	
39	20%(v/v) Jeffamine M-600	.1M HEPES	7.5		
40	10%(v/v) MPD	.1M Bicine	9.0		
41	28%(v/v) PEG 400	.1M HEPES	7.5	.2M Calcium chloride	
42	30%(w/v) PEG 4000	.1M Tris	8.5	.2M Lithium sulfate	
43	30%(w/v) PEG 8000			.2M Ammonium sulfate	
44	30%(w/v) PEG 5000 MME	.1M Tris	8.0	.2M Lithium sulfate	
45	1.5M Ammonium sulfate	.1M Tris	8.5		12%(v/v) Glycerol
46	50%(v/v) MPD	.1M Tris	8.5	.2M Ammonium chloride	
47	30%(w/v) PEG 5000 MME	.1M MES	6.5	.2M Ammonium sulfate	
48	20%(w/v) PEG 10,000	.1M HEPES	7.5		

All formulations are made with ultrapure ASTM Type I water and sterile-filtered stock solutions. Store at 4-25 ºC.

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Wizard™IV random sparse matrix crystallization screen - technical sheet

Formulations:

	crystallant	buffer (0.1 M)		additive(s)	additive(s)	
1 (A1)	20%(v/v) Glycerol			40mM Potassium phosphate	16%(w/v) PEG 8000	**1 (A1)**
2 (A2)	15%(v/v) Ethanol	Tris	8.0	100mM Sodium chloride	5%(v/v) MPD	**2 (A2)**
3 (A3)	40%(v/v) Ethanol	Phosphate-citrate	4.2		5%(w/v) PEG 1000	**3 (A3)**
4 (A4)	200mM Ammonium sulfate	BisTris	5.5			**4 (A4)**
5 (A5)	2M Ammonium sulfate	Acetate	5.5		2%(v/v) PEG 400	**5 (A5)**
6 (A6)	800mM Ammonium Sulfate	Citrate	4.0			**6 (A6)**
7 (A7)	2M Lithium sulfate	Acetate	4.5	100mM Magnesium sulfate	5%(v/v) Isopropanol	**7 (A7)**
8 (A8)	2M Lithium sulfate	Tris	8.5		2%(v/v) PEG 400	**8 (A8)**
9 (A9)	2M Lithium sulfate	Acetate	5.5	100mM Magnesium sulfate	5%(v/v) PEG 400	**9 (A9)**
10 (A10)	50%(v/v) PEG 200	Cacodylate	6.5	200mM Magnesium chloride		**10 (A10)**
11 (A11)	40%(v/v) PEG 300	Cacodylate	6.5	200mM Calcium acetate		**11 (A11)**
12 (A12)	30%(v/v) Jeffamine M600 pH 7.0	HEPES	7.0			**12 (A12)**
13 (B1)	800mM Succinic Acid pH 7.0					**13 (B1)**
14 (B2)	40%(v/v) PEG 400	Tris	8.5	200mM Lithium sulfate		**14 (B2)**
15 (B3)	50%(v/v) PEG 400	Acetate	4.5	200mM Lithium sulfate		**15 (B3)**
16 (B4)	15%(v/v) PEG 550MME	MES	6.5			**16 (B4)**
17 (B5)	25%(w/v) PEG 1500	SPG Buffer/NaOH	5.5			**17 (B5)**
18 (B6)	25%(w/v) PEG 1500	SPG Buffer/NaOH	8.5			**18 (B6)**
19 (B7)	25%(w/v) PEG 1500	MMT Buffer/NaOH	6.5			**19 (B7)**
20 (B8)	25%(w/v) PEG 1500	MMT Buffer/NaOH	9.0			**20 (B8)**
21 (B9)	25%(w/v) PEG 1500	MIB Buffer/HCl	5.0			**21 (B9)**
22 (B10)	25%(w/v) PEG 1500	PCB Buffer/NaOH	7.0			**22 (B10)**
23 (B11)	12%(w/v) PEG 1500	Acetate	5.5	2500mM Sodium chloride	1.5%(v/v) MPD	**23 (B11)**
24 (B12)	2400mM Sodium Malonate					**24 (B12)**
25 (C1)	30%(w/v) PEG 2000MME			150mM Potassium bromide		**25 (C1)**
26 (C2)	10%(w/v) PEG 2000MME	Sodium acetate	5.5	200mM Ammonium sulfate		**26 (C2)**
27 (C3)	20%(w/v) PEG 2000MME	Tris	8.5	200mM Trimethylamine n-oxide		**27 (C3)**
28 (C4)	20%(w/v) PEG 3350	BisTris Propane	6.5	200mM Sodium fluoride		**28 (C4)**
29 (C5)	20%(w/v) PEG 3350	Citrate	4.0	200mM Sodium citrate		**29 (C5)**
30 (C6)	20%(w/v) PEG 3350	BisTris Propane	8.5	200mM Sodium malonate		**30 (C6)**
31 (C7)	20%(w/v) Polyacrylic acid 5100	HEPES	7.0	20mM Magnesium chloride		**31 (C7)**
32 (C8)	2100mM DL Malic acid pH 7.0					**32 (C8)**
33 (C9)	800mM Potassium phosphate (dibasic)	HEPES	7.5		800mM Sodium Phosphate	**33 (C9)**
34 (C10)	20%(w/v) PEG 6000	MES	6.0	200mM Ammonium chloride		**34 (C10)**
35 (C11)	20%(w/v) PEG 6000	HEPES	7.0	200mM Sodium chloride		**35 (C11)**
36 (C12)	20%(w/v) PEG 6000	Tris	8.0	200mM Lithium chloride		**36 (C12)**
37 (D1)	20%(w/v) Polyvinylpyrrolidone K15	Tris	8.5	100mM Cobalt chloride		**37 (D1)**
38 (D2)	50%(v/v) Ethylene glycol	Tris	8.5	200mM Magnesium chloride		**38 (D2)**
39 (D3)	20%(w/v) PEG 8000	Imidazole	6.5		3%(v/v) MPD	**39 (D3)**
40 (D4)	20%(w/v) PEG 8000	Tris	8.5	100mM Magnesium chloride	20%(v/v) PEG 400	**40 (D4)**
41 (D5)	20%(w/v) PEG 8000	HEPES	7.5	200mM Ammonium sulfate	10%(v/v) Isopropanol	**41 (D5)**
42 (D6)	30%(v/v) MPD	Acetate	4.5		25%(w/v) PEG 1500	**42 (D6)**
43 (D7)	30%(v/v) MPD	Imidazole	6.5	200mM Ammonium sulfate	10%(w/v) PEG 3350	**43 (D7)**
44 (D8)	30%(v/v) MPD	Tris	8.5	500mM Sodium chloride	8%(w/v) PEG 8000	**44 (D8)**
45 (D9)	40%(v/v) Isopropanol	Imidazole	6.5		15%(w/v) PEG 8000	**45 (D9)**
46 (D10)	30%(v/v) Isopropanol	Tris	8.5		30%(w/v) PEG 3350	**46 (D10)**
47 (D11)	17%(w/v) PEG 10000	BisTris	5.5	100mM Ammonium Acetate		**47 (D11)**
48 (D12)	15%(w/v) PEG 20000	HEPES	7.0			**48 (D12)**

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