

Cryo I sparse matrix crystallization screen - technical sheet

Formulations: (Patent No. 6,267,935)

	<u>crystallant</u>	<u>buffer (0.1 M)</u>	<u>additive(s)</u>	
1	40% (v/v) 2-methyl-2,4-pentanediol	phosphate-citrate pH 4.2	none	1
2	40% (v/v) ethylene glycol	acetate pH 4.5	none	2
3	50% (v/v) PEG-200	citrate pH 5.5	none	3
4	40% (v/v) PEG-300	HEPES pH 7.5	0.2 M NaCl	4
5	40% (v/v) PEG-400	citrate pH 5.5	0.2 M MgCl ₂	5
6	40% (v/v) PEG-600	cacodylate pH 6.5	0.2 M Ca(OAc) ₂	6
7	40% (v/v) ethanol	Tris pH 8.5	0.05 M MgCl ₂	7
8	35% (v/v) 2-ethoxyethanol	cacodylate pH 6.5	none	8
9	35% (v/v) 2-propanol	phosphate-citrate pH 4.2	none	9
10	45% (v/v) glycerol	imidazole pH 8.0	none	10
11	35% (v/v) 2-methyl-2,4-pentanediol	Tris pH 8.5	0.2 M (NH ₄) ₂ SO ₄	11
12	50% (v/v) ethylene glycol	acetate pH 4.5	5% (w/v) PEG-1000	12
13	30% (v/v) PEG-200	MES pH 6.0	5% (w/v) PEG-3000	13
14	20% (v/v) PEG-300	phosphate-citrate pH 4.2	0.2 M (NH ₄) ₂ SO ₄ , 10% (v/v) glycerol	14
15	50% (v/v) PEG-400	CHES pH 9.5	0.2 M NaCl	15
16	30% (v/v) PEG-600	MES pH 6.0	5% (w/v) PEG-1000, 10% (v/v) glycerol	16
17	40% (v/v) 1, 2-propanediol	HEPES pH 7.5	none	17
18	35% (v/v) 2-ethoxyethanol	imidazole pH 8.0	0.05 M Ca(OAc) ₂	18
19	35% (v/v) 2-propanol	Tris pH 8.5	none	19
20	30% (v/v) 1,2-propanediol	citrate pH 5.5	20% (v/v) 2-methyl-2,4-pentanediol	20
21	40% (v/v) 1,2-propanediol	acetate pH 4.5	0.05 M Ca(OAc) ₂	21
22	40% (v/v) ethylene glycol	Na/K phosphate pH 6.2	none	22
23	40% (v/v) 2-methyl-2,4-pentanediol	Tris pH 7.0	0.2 M (NH ₄) ₂ SO ₄	23
24	40% (v/v) PEG-400	Na/K phosphate pH 6.2	0.2 M NaCl	24
25	30% (v/v) PEG-200	Tris pH 8.5	0.2 M (NH ₄) ₂ HPO ₄	25
26	40% (v/v) PEG-300	CHES pH 9.5	0.2 M NaCl	26
27	30% (v/v) PEG-400	CAPS pH 10.5	0.5 M (NH ₄) ₂ SO ₄ , 10% (v/v) glycerol	27
28	30% (v/v) PEG-600	HEPES pH 7.5	0.05 M Li ₂ SO ₄ , 10% (v/v) glycerol	28
29	40% (v/v) PEG-300	CHES pH 9.5	0.2 M sodium citrate	29
30	35% (v/v) 2-ethoxyethanol	citrate pH 5.5	none	30
31	35% (v/v) 2-propanol	citrate pH 5.5	5% (w/v) PEG-1000	31
32	40% (v/v) 1,2-propanediol	CHES pH 9.5	0.2 M sodium citrate	32
33	25% (v/v) 1, 2-propanediol	imidazole pH 8.0	0.2 M Zn(OAc) ₂ , 10% (v/v) glycerol	33
34	40% (v/v) 2-methyl-2,4-pentanediol	imidazole pH 8.0	0.2 M MgCl ₂	34
35	40% (v/v) ethylene glycol	HEPES pH 7.5	5% (w/v) PEG-3000	35
36	50% (v/v) PEG-200	Tris pH 7.0	0.05 M Li ₂ SO ₄	36
37	40% (v/v) PEG-300	cacodylate pH 6.5	0.2 M Ca(OAc) ₂	37
38	40% (v/v) PEG-400	Tris pH 8.5	0.2 M Li ₂ SO ₄	38
39	40% (v/v) PEG-600	phosphate-citrate pH 4.2	none	39
40	40% (v/v) ethanol	phosphate-citrate pH 4.2	5% (w/v) PEG-1000	40
41	25% (v/v) 1, 2-propanediol	phosphate-citrate pH 4.2	5% (w/v) PEG-3000, 10% (v/v) glycerol	41
42	40% (v/v) ethylene glycol	Tris pH 7.0	none	42
43	50% (v/v) ethylene glycol	Tris pH 8.5	0.2 M MgCl ₂	43
44	50% (v/v) PEG-200	cacodylate pH 6.5	0.2 M Zn(OAc) ₂	44
45	20% (v/v) PEG-300	Tris pH 8.5	5% (w/v) PEG-8000, 10% (v/v) glycerol	45
46	40% (v/v) PEG-400	MES pH 6.0	5% (w/v) PEG-3000	46
47	50% (v/v) PEG-400	acetate pH 4.5	0.2 M Li ₂ SO ₄	47
48	40% (v/v) PEG-600	imidazole pH 8.0	0.2 M Zn(OAc) ₂	48

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

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