

Wizard I random sparse matrix crystallization screen - technical sheet

Wizard II random sparse matrix crystallization screen - technical sheet

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

	<u>crystallant</u>	<u>buffer (0.1 M)</u>	<u>salt (0.2 M)</u>	<u>Kit #</u>
A1	20% (w/v) PEG-8000	CHES pH 9.5	none	1
A2	10% (v/v) 2-propanol	HEPES pH 7.5	NaCl	2
A3	15% (v/v) ethanol	CHES pH 9.5	none	3
A4	35% (v/v) 2-methyl-2,4-pentanediol	imidazole pH 8.0	MgCl ₂	4
A5	30% (v/v) PEG-400	CAPS pH 10.5	none	5
A6	20% (w/v) PEG-3000	citrate pH 5.5	none	6
A7	10% (w/v) PEG-8000	MES pH 6.0	Zn(OAc) ₂	7
A8	2.0 M (NH ₄) ₂ SO ₄	citrate pH 5.5	none	8
A9	1.0 M (NH ₄) ₂ HPO ₄	acetate pH 4.5	none	9
A10	20% (w/v) PEG-2000 MME	Tris pH 7.0	none	10
A11	20% (v/v) 1,4-butanediol	MES pH 6.0	Li ₂ SO ₄	11
A12	20% (w/v) PEG-1000	imidazole pH 8.0	Ca(OAc) ₂	12
B1	1.26 M (NH ₄) ₂ SO ₄	cacodylate pH 6.5	none	13
B2	1.0 M sodium citrate	cacodylate pH 6.5	none	14
B3	10% (w/v) PEG-3000	imidazole pH 8.0	Li ₂ SO ₄	15
B4	2.5 M NaCl	Na/K phosphate pH 6.2	none	16
B5	30% (w/v) PEG-8000	acetate pH 4.5	Li ₂ SO ₄	17
B6	1.0 M K/Na tartrate	imidazole pH 8.0	NaCl	18
B7	20% (w/v) PEG-1000	Tris pH 7.0	none	19
B8	0.4 M NaH ₂ PO ₄ /1.6 M K ₂ HPO ₄	imidazole pH 8.0	NaCl	20
B9	20% (w/v) PEG-8000	HEPES pH 7.5	none	21
B10	10% (v/v) 2-propanol	Tris pH 8.5	none	22
B11	15% (v/v) ethanol	imidazole pH 8.0	MgCl ₂	23
B12	35% (v/v) 2-methyl-2,4-pentanediol	Tris pH 7.0	NaCl	24
C1	30% (v/v) PEG-400	Tris pH 8.5	MgCl ₂	25
C2	10% (w/v) PEG-3000	CHES pH 9.5	none	26
C3	1.2 M NaH ₂ PO ₄ /0.8 M K ₂ HPO ₄	CAPS pH 10.5	Li ₂ SO ₄	27
C4	20% (w/v) PEG-3000	HEPES pH 7.5	NaCl	28
C5	10% (w/v) PEG-8000	CHES pH 9.5	NaCl	29
C6	1.26 M (NH ₄) ₂ SO ₄	acetate pH 4.5	NaCl	30
C7	20% (w/v) PEG-8000	phosphate-citrate pH 4.2	NaCl	31
C8	10% (w/v) PEG-3000	Na/K phosphate pH 6.2	none	32
C9	2.0 M (NH ₄) ₂ SO ₄	CAPS pH 10.5	Li ₂ SO ₄	33
C10	1.0 M (NH ₄) ₂ HPO ₄	imidazole pH 8.0	none	34
C11	20% (v/v) 1,4-butanediol	acetate pH 4.5	none	35
C12	1.0 M sodium citrate	imidazole pH 8.0	none	36
D1	2.5 M NaCl	imidazole pH 8.0	none	37
D2	1.0 M K/Na tartrate	CHES pH 9.5	Li ₂ SO ₄	38
D3	20% (w/v) PEG-1000	phosphate-citrate pH 4.2	Li ₂ SO ₄	39
D4	10% (v/v) 2-propanol	MES pH 6.0	Ca(OAc) ₂	40
D5	30% (w/v) PEG-3000	CHES pH 9.5	none	41
D6	15% (v/v) ethanol	Tris pH 7.0	none	42
D7	35% (v/v) 2-methyl-2,4-pentanediol	Na/K phosphate pH 6.2	none	43
D8	30% (v/v) PEG-400	acetate pH 4.5	Ca(OAc) ₂	44
D9	20% (w/v) PEG-3000	acetate pH 4.5	none	45
D10	10% (w/v) PEG-8000	imidazole pH 8.0	Ca(OAc) ₂	46
D11	1.26 M (NH ₄) ₂ SO ₄	Tris pH 8.5	Li ₂ SO ₄	47
D12	20% (w/v) PEG-1000	acetate pH 4.5	Zn(OAc) ₂	48
E1	10% (w/v) PEG-3000	acetate pH 4.5	Zn(OAc) ₂	1

E2	35% (v/v) 2-methyl-2,4-pentanediol	MES pH 6.0	Li ₂ SO ₄	2
E3	20% (w/v) PEG-8000	Tris pH 8.5	MgCl ₂	3
E4	2.0 M (NH ₄) ₂ SO ₄	cacodylate pH 6.5	NaCl	4
E5	20% (v/v) 1,4-butanediol	HEPES pH 7.5	NaCl	5
E6	10% (v/v) 2-propanol	phosphate-citrate pH 4.2	Li ₂ SO ₄	6
E7	30% (w/v) PEG-3000	Tris pH 7.0	NaCl	7
E8	10% (w/v) PEG-8000	Na/K phosphate pH 6.2	NaCl	8
E9	2.0 M (NH ₄) ₂ SO ₄	phosphate-citrate pH 4.2	none	9
E10	1.0 M (NH ₄) ₂ HPO ₄	Tris pH 8.5	none	10
E11	10% (v/v) 2-propanol	cacodylate pH 6.5	Zn(OAc) ₂	11
E12	30% (v/v) PEG-400	cacodylate pH 6.5	Li ₂ SO ₄	12
F1	15% (v/v) ethanol	citrate pH 5.5	Li ₂ SO ₄	13
F2	20% (w/v) PEG-1000	Na/K phosphate pH 6.2	NaCl	14
F3	1.26 M (NH ₄) ₂ SO ₄	HEPES pH 7.5	none	15
F4	1.0 M sodium citrate	CHES pH 9.5	none	16
F5	2.5 M NaCl	Tris pH 7.0	MgCl ₂	17
F6	20% (w/v) PEG-3000	Tris pH 7.0	Ca(OAc) ₂	18
F7	1.6 M NaH ₂ PO ₄ /0.4 M K ₂ HPO ₄	phosphate-citrate pH 4.2	none	19
F8	15% (v/v) ethanol	MES pH 6.0	Zn(OAc) ₂	20
F9	35% (v/v) 2-methyl-2,4-pentanediol	acetate pH 4.5	none	21
F10	10% (v/v) 2-propanol	imidazole pH 8.0	none	22
F11	15% (v/v) ethanol	HEPES pH 7.5	MgCl ₂	23
F12	30% (w/v) PEG-8000	imidazole pH 8.0	NaCl	24
G1	35% (v/v) 2-methyl-2,4-pentanediol	HEPES pH 7.5	NaCl	25
G2	30% (v/v) PEG-400	CHES pH 9.5	none	26
G3	10% (w/v) PEG-3000	cacodylate pH 6.5	MgCl ₂	27
G4	20% (w/v) PEG-8000	MES pH 6.0	Ca(OAc) ₂	28
G5	1.26 M (NH ₄) ₂ SO ₄	CHES pH 9.5	NaCl	29
G6	20% (v/v) 1,4-butanediol	imidazole pH 8.0	Zn(OAc) ₂	30
G7	1.0 M sodium citrate	Tris pH 7.0	NaCl	31
G8	20% (w/v) PEG-1000	Tris pH 8.5	none	32
G9	1.0 M (NH ₄) ₂ HPO ₄	citrate pH 5.5	NaCl	33
G10	10% (w/v) PEG-8000	imidazole pH 8.0	none	34
G11	0.8 M NaH ₂ PO ₄ /1.2 M K ₂ HPO ₄	acetate pH 4.5	none	35
G12	10% (w/v) PEG-3000	phosphate-citrate pH 4.2	NaCl	36
H1	1.0 M K/Na tartrate	Tris pH 7.0	Li ₂ SO ₄	37
H2	2.5 M NaCl	acetate pH 4.5	Li ₂ SO ₄	38
H3	20% (w/v) PEG-8000	CAPS pH 10.5	NaCl	39
H4	20% (w/v) PEG-3000	imidazole pH 8.0	Zn(OAc) ₂	40
H5	2.0 M (NH ₄) ₂ SO ₄	Tris pH 7.0	Li ₂ SO ₄	41
H6	30% (v/v) PEG-400	HEPES pH 7.5	NaCl	42
H7	10% (w/v) PEG-8000	Tris pH 7.0	MgCl ₂	43
H8	20% (w/v) PEG-1000	cacodylate pH 6.5	MgCl ₂	44
H9	1.26 M (NH ₄) ₂ SO ₄	MES pH 6.0	none	45
H10	1.0 M (NH ₄) ₂ HPO ₄	imidazole pH 8.0	NaCl	46
H11	2.5 M NaCl	imidazole pH 8.0	Zn(OAc) ₂	47
H12	1.0 M K/Na tartrate	MES pH 6.0	none	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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