LCP crystallization screen - technical sheet

Formulations: (Patent Pending)

Well ID	precipitant	buffer (0.1 M)	salt (0.2 M)	Well ID
A 1	10% (v/v) 2-propanol	Tris pH 7.0	$Zn(OAc)_2$	**A 1**
A 2	10% (v/v) 2-propanol	acetate pH 4.5	$Ca(OAc)_2$	**A 2**
A 3	10% (v/v) 2-propanol	citrate pH 5.5	Li_2SO_4	**A 3**
A 4	10% (v/v) 2-propanol	Tris pH 7.0	$Ca(OAc)_2$	**A 4**
A 5	10% (v/v) 2-propanol	acetate pH 4.5	NaCl	**A 5**
A 6	10% (v/v) 2-propanol	citrate pH 5.5	$MgCl_2$	**A 6**
A 7	10% (w/v) PEG-8000	HEPES pH 7.5	NaCl	**A 7**
A 8	10% (w/v) PEG-8000	MES pH 6.0	$Zn(OAc)_2$	**A 8**
A 9	10% (w/v) PEG-8000	Na/K phosphate pH 6.2	Li_2SO_4	**A 9**
A 10	10% (w/v) PEG-8000	acetate pH 4.5	$Ca(OAc)_2$	**A 10**
A 11	10% (w/v) PEG-8000	Tris pH 8.5	$MgCl_2$	**A 11**
A 12	10% (w/v) PEG-8000	cacodylate pH 6.5	NaCl	**A 12**
B 1	10% (w/v) PEG-8000	citrate pH 5.5	Li_2SO_4	**B 1**
B 2	10% (w/v) PEG-8000	HEPES pH 7.5	$MgCl_2$	**B 2**
B 3	20% (w/v) PEG-2000 MME	HEPES pH 7.5	NaCl	**B 3**
B 4	20% (w/v) PEG-2000 MME	MES pH 6.0	$Zn(OAc)_2$	**B 4**
B 5	20% (w/v) PEG-2000 MME	Na/K phosphate pH 6.2	Li_2SO_4	**B 5**
B 6	20% (w/v) PEG-2000 MME	acetate pH 4.5	$Ca(OAc)_2$	**B 6**
B 7	20% (w/v) PEG-2000 MME	Tris pH 8.5	$MgCl_2$	**B 7**
B 8	20% (w/v) PEG-2000 MME	cacodylate pH 6.5	Li_2SO_4	**B 8**
B 9	20% (w/v) PEG-2000 MME	HEPES pH 7.5	Li_2SO_4	**B 9**
B 10	20% 1,4-butanediol	Tris pH 8.5	Li_2SO_4	**B 10**
B 11	20% 1,4-butanediol	cacodylate pH 6.5	$Ca(OAc)_2$	**B 11**
B 12	20% 1,4-butanediol	citrate pH 5.5	$MgCl_2$	**B 12**
C 1	20% 1,4-butanediol	Tris pH 7.0	$Zn(OAc)_2$	**C 1**
C 2	20% 1,4-butanediol	Tris pH 8.5	$MgCl_2$	**C 2**
C 3	20% 1,4-butanediol	citrate pH 5.5	NaCl	**C 3**
C 4	20% (w/v) PEG-1000	HEPES pH 7.5	NaCl	**C 4**
C 5	20% (w/v) PEG-1000	MES pH 6.0	$Zn(OAc)_2$	**C 5**
C 6	20% (w/v) PEG-1000	Tris pH 7.0	Li_2SO_4	**C 6**
C 7	20% (w/v) PEG-1000	HEPES pH 7.5	$MgCl_2$	**C 7**
C 8	20% (w/v) PEG-1000	MES pH 6.0	NaCl	**C 8**
C 9	2.5 M NaCl	HEPES pH 7.5		**C 9**
C 10	2.5 M NaCl	MES pH 6.0	$Zn(OAc)_2$	**C 10**
C 11	2.5 M NaCl	Tris pH 8.5	Li_2SO_4	**C 11**
C 12	2.5 M NaCl	cacodylate pH 6.5	$Ca(OAc)_2$	**C 12**
D 1	2.5 M NaCl	citrate pH 5.5	$MgCl_2$	**D 1**
D 2	2.5 M NaCl	cacodylate pH 6.5	Li_2SO_4	**D 2**

Well ID	precipitant	buffer (0.1 M)	salt (0.2 M)	Well ID
D 3	30% (w/v) PEG-400	Tris pH 7.0	$Zn(OAc)_2$	D 3
D 4	30% (w/v) PEG-400	Imidazole pH 8.0	Li_2SO_4	D 4
D 5	30% (w/v) PEG-400	citrate pH 5.5	$MgCl_2$	D 5
D 6	30% (w/v) PEG-400	citrate pH 5.5	Li_2SO_4	D 6
D 7	30% (w/v) PEG-400	Imidazole pH 8.0	$Zn(OAc)_2$	D 7
D 8	30% (w/v) PEG-400	Tris pH 7.0	NaCl	D 8
D 9	15% (v/v) Ethanol	Na/K phosphate pH 6.2	NaCl	D 9
D 10	15% (v/v) Ethanol	acetate pH 4.5	$Zn(OAc)_2$	D 10
D 11	15% (v/v) Ethanol	cacodylate pH 6.5	$Ca(OAc)_2$	D 11
D 12	15% (v/v) Ethanol	acetate pH 4.5	$MgCl_2$	D 12
E 1	15% (v/v) Ethanol	cacodylate pH 6.5	NaCl	E 1
E 2	10% (w/v) PEG-3000	HEPES pH 7.5	NaCl	E 2
E 3	10% (w/v) PEG-3000	MES pH 6.0	$Zn(OAc)_2$	E 3
E 4	10% (w/v) PEG-3000	Tris pH 8.5	$Ca(OAc)_2$	E 4
E 5	10% (w/v) PEG-3000	citrate pH 5.5	$MgCl_2$	E 5
E 6	10% (w/v) PEG-3000	Tris pH 8.5	Li_2SO_4	E 6
E 7	10% (w/v) PEG-3000	MES pH 6.0	Li_2SO_4	E 7
E 8	1.0 M $(NH_4)_2HPO_4$	HEPES pH 7.5	NaCl	E 8
E 9	1.0 M $(NH_4)_2HPO_4$	cacodylate pH 6.5	NaCl	E 9
E 10	1.26 M $(NH_4)_2SO_4$	Na/K phosphate pH 6.2	Li2SO4	E 10
E 11	1.26 M $(NH_4)_2SO_4$	Tris pH 7.0	MgCl2	E 11
E 12	1.26 M $(NH_4)_2SO_4$	Imidazole pH 8.0	Li2SO4	E 12
F 1	1.26 M $(NH_4)_2SO_4$	citrate pH 5.5	NaCl	F 1
F 2	20% (w/v) PEG-8000	HEPES pH 7.5	NaCl	F 2
F 3	20% (w/v) PEG-8000	Tris pH 7.0	Zn(OAc)2	F 3
F 4	20% (w/v) PEG-8000	Imidazole pH 8.0	Li2SO4	F 4
F 5	20% (w/v) PEG-8000	acetate pH 4.5	MgCl2	F 5
F 6	20% (w/v) PEG-8000	cacodylate pH 6.5	NaCl	F 6
F 7	20% (w/v) PEG-8000	Tris pH 7.0	MgCl2	F 7
F 8	1.0 M Sodium citrate	HEPES pH 7.5	NaCl	F 8
F 9	1.0 M Sodium citrate	MES pH 6.0	Zn(OAc)2	F 9
F 10	1.0 M Sodium citrate	Imidazole pH 8.0	Li2SO4	F 10
F 11	1.0 M Sodium citrate	acetate pH 4.5	MgCl2	F 11
F 12	1.0 M Sodium citrate	Tris pH 8.5	Li2SO4	F 12
G 1	1.0 M Sodium citrate	MES pH 6.0	MgCl2	G 1
G 2	10% (v/v) 2-propanol	acetate pH 4.5	Li_2SO_4	G 2
G 3	10% (v/v) 2-propanol	citrate pH 5.5	NaCl	G 3
G 4	10% (w/v) PEG-8000	acetate pH 4.5	$MgCl_2$	G 4
G 5	10% (w/v) PEG-8000	Tris pH 8.5	NaCl	G 5
G 6	20% (w/v) PEG-2000 MME	acetate pH 4.5	$Zn(OAc)_2$	G 6
G 7	20% (w/v) PEG-2000 MME	Tris pH 8.5	Li_2SO_4	G 7
G 8	20% 1,4-butanediol	Tris pH 8.5	NaCl	G 8
G 9	20% 1,4-butanediol	cacodylate pH 6.5	Li_2SO_4	G 9
G 10	20% (w/v) PEG-1000	HEPES pH 7.5	Li_2SO_4	G 10

Well ID	precipitant	buffer (0.1 M)	salt (0.2 M)	Well ID
G 11	20% (w/v) PEG-1000	MES pH 6.0	$MgCl_2$	**G 11**
G 12	2.5 M NaCl	MES pH 6.0	Li_2SO_4	**G 12**
H 1	30% (w/v) PEG-8000	Tris pH 8.5	Li_2SO_4	**H 1**
H 2	30% (w/v) PEG-8000	cacodylate pH 6.5	Ca(Oac)2	**H 2**
H 3	30% (w/v) PEG-400	MES pH 6.0	$MgCl_2$	**H 3**
H 4	30% (w/v) PEG-400	Tris pH 7.0	Li_2SO_4	**H 4**
H 5	10% (w/v) PEG-3000	HEPES pH 7.5	Li2SO4	**H 5**
H 6	10% (w/v) PEG-3000	MES pH 6.0	MgCl2	**H 6**
H 7	1.0 M Sodium citrate	Imidazole pH 8.0	MgCl2	**H 7**
H 8	1.0 M Sodium citrate	Tris pH 8.5	NaCl	**H 8**
H 9	2.5M Sodium Malonate	Tris pH 7.0		**H 9**
H 10	2.5M Sodium Malonate	acetate pH 4.5		**H 10**
H 11	2.5M Sodium Malonate	Tris pH 8.5		**H 11**
H 12	2.5M Sodium Malonate	Imidazole pH 8.0		**H 12**