Crystal Screen 1 & 2 Formulation								
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Well	Reagent	[Salt 1]	[Salt 1]	Salt	[Buffer]	[Buffer]	Buffer	pH
#	#		units			units		
A1	1	0.02	M	Calcium chloride dihydrate	0.1	M	Sodium acetate trihydrate	4.6
A2	2							
A3	3							
A4	4				0.1	M	Tris hydrochloride	8.5
A5	5	0.2	M	Sodium citrate tribasic dihydrate	0.1	M	HEPES sodium	7.5
A6	6	0.2	M	Magnesium chloride hexahydrate	0.1	M	Tris hydrochloride	8.5
A7	7				0.1	M	Sodium cacodylate trihydrate	6.5
A8	8	0.2	M	Sodium citrate tribasic dihydrate	0.1	M	Sodium cacodylate trihydrate	6.5
A9	9	0.2	M	Ammonium acetate	0.1	M	Sodium citrate tribasic dihydrate	5.6
A10	10	0.2	M	Ammonium acetate	0.1	M	Sodium acetate trihydrate	4.6
A11	11				0.1	M	Sodium citrate tribasic dihydrate	5.6
A12	12	0.2	M	Magnesium chloride hexahydrate	0.1	M	HEPES sodium	7.5
B1	13	0.2	M	Sodium citrate tribasic dihydrate	0.1	M	Tris hydrochloride	8.5
B2	14	0.2	M	Calcium chloride dihydrate	0.1	M	HEPES sodium	7.5
B3	15	0.2	M	Ammonium sulfate	0.1	M	Sodium cacodylate trihydrate	6.5
B4	16				0.1	M	HEPES sodium	7.5
B5	17	0.2	M	Lithium sulfate monohydrate	0.1	M	Tris hydrochloride	8.5
B6	18	0.2	M	Magnesium acetate tetrahydrate	0.1	M	Sodium cacodylate trihydrate	6.5
B7	19	0.2	M	Ammonium acetate	0.1	M	Tris hydrochloride	8.5
B8	20	0.2	M	Ammonium sulfate	0.1	M	Sodium acetate trihydrate	4.6
B9	21	0.2	M	Magnesium acetate tetrahydrate	0.1	M	Sodium cacodylate trihydrate	6.5
B10	22	0.2	M	Sodium acetate trihydrate	0.1	M	Tris hydrochloride	8.5
B11	23	0.2	M	Magnesium chloride hexahydrate	0.1	M	HEPES sodium	7.5
B12	24	0.2	M	Calcium chloride dihydrate	0.1	M	Sodium acetate trihydrate	4.6
C1	25				0.1	M	Imidazole	6.5
C2	26	0.2	M	Ammonium acetate	0.1	M	Sodium citrate tribasic dihydrate	5.6
C3	27	0.2	M	Sodium citrate tribasic dihydrate	0.1	M	HEPES sodium	7.5
C4	28	0.2	M	Sodium acetate trihydrate	0.1	M	Sodium cacodylate trihydrate	6.5
C5	29				0.1	M	HEPES sodium	7.5
C6	30	0.2	M	Ammonium sulfate				
C7	31	0.2	M	Ammonium sulfate				
C8	32							
C9	33							
C10	34				0.1	M	Sodium acetate trihydrate	4.6
C11	35				0.1	M	HEPES sodium	7.5

Reagent #	[Precipitant 1]	[Ppt 1] units	Precipitant 1	[Ppt 2]	[Ppt 2] units	Precipitant 2
1	30	%v/v	(+/-)-2-Methyl-2,4-pentanediol			
2	0.4	M	Potassium sodium tartrate tetrahydrate			
3	0.4	M	Ammonium phosphate monobasic			
4	2	M	Ammonium sulfate			
5	30	%v/v	(+/-)-2-Methyl-2,4-pentanediol			
6	30	%w/v	Polyethylene glycol 4,000			
7	1.4	M	Sodium acetate trihydrate			
8	30	%v/v	2-Propanol			
9	30	%w/v	Polyethylene glycol 4,000			
10	30	%w/v	Polyethylene glycol 4,000			
11	1	M	Ammonium phosphate monobasic			
12	30	%v/v	2-Propanol			
13	30	%v/v	Polyethylene glycol 400			
14	28	%v/v	Polyethylene glycol 400			
15	30	%w/v	Polyethylene glycol 8,000			
16	1.5	M	Lithium sulfate monohydrate			
17	30	%w/v	Polyethylene glycol 4,000			
18	20	%w/v	Polyethylene glycol 8,000			
19	30	%v/v	2-Propanol			
20	25	%w/v	Polyethylene glycol 4,000			
21	30	%v/v	(+/-)-2-Methyl-2,4-pentanediol			
22	30	%w/v	Polyethylene glycol 4,000			
23	30	%v/v	Polyethylene glycol 400			
24	20	%v/v	2-Propanol			
25	1	M	Sodium acetate trihydrate			
26	30	%v/v	(+/-)-2-Methyl-2,4-pentanediol			
27	20	%v/v	2-Propanol			
28	30	%w/v	Polyethylene glycol 8,000			
29	0.8	M	Potassium sodium tartrate tetrahydrate			
30	30	%w/v	Polyethylene glycol 8,000			
31	30	%w/v	Polyethylene glycol 4,000			
32	2	M	Ammonium sulfate			
33	4	M	Sodium formate			
34	2	M	Sodium formate			
35	0.8	M	Sodium phosphate monobasic monohydrate	0.8	M	Potassium phosphate monobasic

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Well #	Reagent #	[Salt 1]	[Salt 1] units	Salt	[Buffer]	[Buffer] units	Buffer	pH
C12	36				0.1	M	Tris hydrochloride	8.5
D1	37				0.1	M	Sodium acetate trihydrate	4.6
D2	38				0.1	M	HEPES sodium	7.5
D3	39				0.1	M	HEPES sodium	7.5
D4	40				0.1	M	Sodium citrate tribasic dihydrate	5.6
D5	41				0.1	M	HEPES sodium	7.5
D6	42	0.05	M	Potassium phosphate monobasic				
D7	43							
D8	44							
D9	45	0.2	M	Zinc acetate dihydrate	0.1	M	Sodium cacodylate trihydrate	6.5
D10	46	0.2	M	Calcium acetate hydrate	0.1	M	Sodium cacodylate trihydrate	6.5
D11	47				0.1	M	Sodium acetate trihydrate	4.6
D12	48				0.1	M	Tris hydrochloride	8.5
	49	1	M	Lithium sulfate monohydrate				
	50	0.5	M	Lithium sulfate monohydrate				
E1	1	2.0	M	Sodium chloride				
E2	2	0.5	M	Sodium chloride				
		0.01	M	Magnesium chloride hexahydrate				
E3	3							
E4	4							
E5	5	2.0	M	Ammonium sulfate				
E6	6							
E7	7							
E8	8	1.5	M	Sodium chloride				
E9	9				0.1	M	Sodium acetate trihydrate	4.6
E10	10	0.2	M	Sodium chloride	0.1	M	Sodium acetate trihydrate	4.6
E11	11	0.01	M	Cobalt (II) chloride hexahydrate	0.1	M	Sodium acetate trihydrate	4.6
E12	12	0.1	M	Cadmium chloride hydrate	0.1	M	Sodium acetate trihydrate	4.6
F1	13	0.2	M	Ammonium sulfate	0.1	M	Sodium acetate trihydrate	4.6
F2	14	0.2	M	Potassium sodium tartrate tetrahydı	0.1	M	Sodium citrate tribasic dihydrate	5.6
F3	15	0.5	M	Ammonium sulfate	0.1	M	Sodium citrate tribasic dihydrate	5.6
F4	16	0.5	M	Sodium chloride	0.1	M	Sodium citrate tribasic dihydrate	5.6
F5	17				0.1	M	Sodium citrate tribasic dihydrate	5.6
F6	18	0.01	M	Iron (III) chloride hexahydrate	0.1	M	Sodium citrate tribasic dihydrate	5.6
F7	19				0.1	M	Sodium citrate tribasic dihydrate	5.6

Reagent #	[Precipitant 1]	[Ppt 1] units	Precipitant 1	[Ppt 2]	[Ppt 2] units	Precipitant 2
36	8	%w/v	Polyethylene glycol 8,000			
37	8	%w/v	Polyethylene glycol 4,000			
38	1.4	M	Sodium citrate tribasic dihydrate			
39	2	%v/v	Polyethylene glycol 400	2	M	Ammonium sulfate
40	20	%v/v	2-Propanol	20	%w/v	Polyethylene glycol 4,000
41	10	%v/v	2-Propanol	20	%w/v	Polyethylene glycol 4,000
42	20	%w/v	Polyethylene glycol 8,000			
43	30	%w/v	polyethylene glycol 1500			
44	0.2	M	magnesium formate dihydrate			
45	18	%w/v	Polyethylene glycol 8,000			
46	18	%w/v	Polyethylene glycol 8,000			
47	2	M	Ammonium sulfate			
48	2	M	Ammonium phosphate monobasic			
49	2	%w/v	Polyethylene glycol 8,000			
50	15	%w/v	Polyethylene glycol 8,000			
1	10	% w/v	Polyethylene glycol 6,000			
2	0.01	M	Hexadecyltrimethylammonium bromide			
3	25	% v/v	Ethylene glycol			
4	35	% v/v	1,4-Dioxane			
5	5	% v/v	2-Propanol			
6	1	M	Imidazole pH 7.0			
7	10	% w/v	Polyethylene glycol 1,000	10	% w/v	Polyethylene glycol 8,000
8	10	% v/v	Ethanol			
9	2	M	Sodium chloride			
10	30	% v/v	(+/-)-2-Methyl-2,4-pentanediol			
11	1	M	1,6-Hexanediol			
12	30	% v/v	Polyethylene glycol 400			
13	30	% w/v	Polyethylene glycol monomethyl ether 2,000			
14	2	M	Ammonium sulfate			
15	1	M	Lithium sulfate monohydrate			
16	2	% v/v	Ethylene imine Polymer			
17	35	% v/v	tert-Butanol			
18	10	% v/v	Jeffamine M-600			
19	2.5	M	1,6-Hexanediol			

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Well	Reagent	[Salt 1]	[Salt 1]	Salt	[Buffer]	[Buffer]	Buffer	pH
#	#		units			units		
F8	20				0.1	M	MES monohydrate	6.5
F9	21	0.1	M	Sodium phosphate monobasic mon	0.1	M	MES monohydrate	6.5
		0.1	M	Potassium phosphate monobasic				
F10	22				0.1	M	MES monohydrate	6.5
F11	23	1.6	M	Ammonium sulfate	0.1	M	MES monohydrate	6.5
F12	24	0.05	M	Cesium chloride	0.1	M	MES monohydrate	6.5
G1	25	0.01	M	Cobalt (II) chloride hexahydrate	0.1	M	MES monohydrate	6.5
G2	26	0.2	M	Ammonium sulfate	0.1	M	MES monohydrate	6.5
G3	27	0.01	M	Zinc sulfate heptahydrate	0.1	M	MES monohydrate	6.5
G4	28							
G5	29	0.5	M	Ammonium sulfate	0.1	M	HEPES	7.5
G6	30				0.1	M	HEPES	7.5
G7	31				0.1	M	HEPES	7.5
G8	32	0.1	M	Sodium chloride	0.1	M	HEPES	7.5
G9	33				0.1	M	HEPES	7.5
G10	34	0.05	M	Cadmium sulfate hydrate	0.1	M	HEPES	7.5
G11	35				0.1	M	HEPES	7.5
G12	36				0.1	M	HEPES	7.5
H1	37				0.1	M	HEPES	7.5
H2	38				0.1	M	HEPES	7.5
H3	39	0.2	M	Magnesium chloride hexahydrate	0.1	M	Tris	8.5
H4	40				0.1	M	Tris	8.5
H5	41	0.01	M	Nickel (II) chloride hexahydrate	0.1	M	Tris	8.5
H6	42	1.5	M	Ammonium sulfate	0.1	M	Tris	8.5
H7	43	0.2	M	Ammonium phosphate monobasic	0.1	M	Tris	8.5
H8	44				0.1	M	Tris	8.5
H9	45	0.01	M	Nickel (II) chloride hexahydrate	0.1	M	Tris	8.5
H10	46	0.1	M	Sodium chloride	0.1	M	BICINE	9.0
H11	47				0.1	M	BICINE	9.0
H12	48				0.1	M	BICINE	9.0

Reagent #	[Precipitant 1]	[Ppt 1] units	Precipitant 1	[Ppt 2]	[Ppt 2] units	Precipitant 2
20	1.6	M	Magnesium sulfate heptahydrate			
21	2	M	Sodium chloride			
22	12	% w/v	Polyethylene glycol 20,000			
23	10	% v/v	1,4-Dioxane			
24	30	% v/v	Jeffamine M-600			
25	1.8	M	Ammonium sulfate			
26	30	% w/v	Polyethylene glycol monomethyl ether 5,000			
27	25	% v/v	Polyethylene glycol monomethyl ether 550			
28	1.6	M	Sodium citrate tribasic dihydrate pH 6.5			
29	30	% v/v	(+/-)-2-Methyl-2,4-pentanediol			
30	10	% w/v	Polyethylene glycol 6,000	5	% v/v	(+/-)-2-Methyl-2,4-pentanediol
31	20	% v/v	Jeffamine M-600			
32	1.6	M	Ammonium sulfate			
33	2	M	Ammonium formate			
34	1	M	Sodium acetate trihydrate			
35	70	% v/v	(+/-)-2-Methyl-2,4-pentanediol			
36	4.3	M	Sodium chloride			
37	10	% w/v	Polyethylene glycol 8,000	8	% v/v	Ethylene glycol
38	20	% w/v	Polyethylene glycol 10,000			
39	3.4	M	1,6-Hexanediol			
40	25	% v/v	tert-Butanol			
41	1	M	Lithium sulfate monohydrate			
42	12	% v/v	Glycerol			
43	50	% v/v	(+/-)-2-Methyl-2,4-pentanediol			
44	20	% v/v	Ethanol			
45	20	% w/v	Polyethylene glycol monomethyl ether 2,000			
46	20	% v/v	Polyethylene glycol monomethyl ether 550			
47	2	M	Magnesium chloride hexahydrate			
48	2	% v/v	1,4-Dioxane	10	% w/v	Polyethylene glycol 20,000