Helsinki Cryo

The crystallisation conditions of this screen are divided into two classes according to the main precipitant of the well to help in interpreting the results and design of the new crystallisation trials. The classes are

1) Viscous organic precipitants; in grey and marked with the letter **V**

2) Non-viscous organic precipitants; in pink and marked with the letter **N**

Note: the concentration in parentheses is the stock solution concentration used to make the well solution

	Class	Well	Buffer	Precipitant	Salt/Additives
1	V	A1	0.1 M Phosphate-Citrate (1M pH 4.2)	40% MPD (100%)	
2	N	A2	0.1 M Acetic acid (1M pH 4.5)	40% Ethylene Glycol (100%)	
3	V	A3	0.1 M Citric Acid (1M pH 5.5)	50% PEG 200 (100%)	
4	V	A4	0.1 M HEPES (1M pH 7.5)	40% PEG 300 (100%)	0.2 M Sodium Chloride (5M)
5	V	A5	0.1 M Citric Acid (1M pH 5.5)	40% PEG 400 (100%)	0.2 M Magnesium Chloride (1M)
6	V	A6	0.1 M Sodium Cacodylate (1M pH 6.5)	40% PEG 600 (70%)	0.2 M Calcium Acetate (1M)
7	N	A7	0.1 M Tris (1M pH 8.5)	40% Ethanol (100%)	0.05 M Magnesium Chloride (1M)
8	N	A8	0.1 M Sodium Cacodylate (1M pH 6.5)	35% 2-Ethoxyethanol (100%)	
9	N	A9	0.1 M Phosphate-Citrate (1M pH 4.2)	35% Isopropanol (100%)	
10	N	A10	0.1 M Imidazole (1M pH 8)	45% Glycerol (80%)	
11	V	A11	0.1 M Tris (1M pH 8.5)	35% MPD (100%)	0.2 M Ammonium Sulphate (3M)
12	N	A12	0.1 M Acetic acid (1M pH 4.5)	50% Ethylene Glycol (100%)	5% PEG 1000 (50%)
13	V	B1	0.1 M MES (0.5M pH 6)	30% PEG 200 (100%)	5% PEG 3350 (50%)
14	V	B2	0.1 M Phosphate-Citrate (1M pH 4.2)	10% Glycerol (80%), 20% PEG 300 (100%)	0.2 M Ammonium Sulphate (3M)
15	V	B3	0.1 M CHES (1M pH 9.5)	50% PEG 400 (100%)	0.2 M Sodium Chloride (5M)
16	V	B4	0.1 M MES (0.5M pH 6)	10% Glycerol (80%), 30% PEG 600 (70%)	5% PEG 1000 (50%)
17	N	B5	0.1 M HEPES (1M pH 7.5)	40% 1,2-Propanediol (100%)	
18	N	B6	0.1 M Imidazole (1M pH 8)	35% 2-Ethoxyethanol (100%)	0.05 M Calcium Acetate (1M)
19	N	B7	0.1 M Tris (1M pH 8.5)	35% iso-Propanol (100%)	
20	N	B8	0.1 M Citric Acid (1M pH 5.5)	30% 1,2-Propanediol (100%)	20% MPD (100%)
21	N	B9	0.1 M Acetic acid (1M pH 4.5)	40% 1,2-Propanediol (100%)	0.05 M Calcium Acetate (1M)
22	N	B10	0.1 M Sodium-Potassium phosphate (1M pH 6.2)	40% Ethylene Glycol (100%)	
23	V	B11	0.1 M Tris (1M pH 7)	40% MPD (100%)	0.2 M Ammonium Sulphate (3M)
24	V	B12	0.1 M Sodium -Potassium phosphate (1M pH 6.2)	40% PEG 400 (100%)	0.2 M Sodium Chloride (5M)
25	V	C1	0.1 M Tris (1M pH 8.5)	30% PEG 200 (100%)	0.2 M Ammonium Hydrogen Phosphate (1M)
26	V	C2	0.1 M CHES (1M pH 9.5)	40% PEG 300 (100%)	0.2 M Sodium Chloride (5M)
27	V	C3	0.1 M CAPS (0.5M pH 10.5)	30% PEG 400 (100%),10% Glycerol (80%)	0.5 M Ammonium Sulphate (3M)
28	V	C4	0.1 M HEPES (1M pH 7.5)	30% PEG 600 (70%), 10% Glycerol (80%)	0.05 M Lithium Sulphate (2M)
29	V	C5	0.1 M CHES (1M pH 9.5)	40% PEG 300 (100%)	0.2 M Sodium Citrate (1.6M)
30	N	C6	0.1 M Citric Acid (1M pH 5.5)	30% 2-Ethoxyethanol (100%)	
31	N	C7	0.1 M Citric Acid (1M pH 5.5)	35% iso-Propanol (100%)	5% PEG 1000 (50%)
32	N	C8	0.1 M CHES (1M pH 9.5)	40% 1,2-Propanediol (100%)	0.2 M Sodium Citrate (1.6M)
33	N	C9	0.1 M Imidazole (1M pH 8)	10% Glycerol (80%),25 % 1,2-Propanediol (100%)	0.2 M Zinc Acetate (1M)
34	V	C10	0.1 M Imidazole (1M pH 8)	40% MPD (100%)	0.2 M Magnesium Chloride (1M)
35	N	C11	0.1 M HEPES (1M pH 7.5)	40% Ethylene Glycol (100%)	5% PEG 3350 (50%)
36	V	C12	0.1 M Tris (1M pH 7)	50% PEG 200 (100%)	0.05 M Lithium Sulphate (2M)
37	V	D1	0.1 M Sodium Cacodylate (1M pH 6.5)	40% PEG 300 (100%)	0.2 M Calcium Acetate (1M)
38	V	D2	0.1 M Tris (1M pH 8.5)	40% PEG 400 (100%)	0.2 M Lithium Sulphate (2M)
39	V	D3	0.1 M Sodium Phosphate-Citrate (1M pH 4.2)	40% PEG 600 (70%)	
40	N	D4	0.1 M Sodium Phosphate-Citrate (1M pH 4.2)	40% Ethano l(100%)	5% PEG 1000 (50%)
41	N	D5	0.1 M SodiumPhosphate-Citrate (1M pH 4.2)	25% 1,2-Propanediol (100%),10% Glycerol (80%)	5% PEG 3350 (50%)
42	N	D6	0.1 M Tris (1M pH 7)	40% Ethylene Glycol (100%)	
43	N	D7	0.1 M Tris (1M pH 8.5)	50% Ethylene Glycol (100%)	0.2 M Magnesium Chloride (1M)
44	V	D8	0.1 M Sodium Cacodylate (1M pH 6.5)	50% PEG 200 (100%)	0.2 M Zinc Acetate (1M)
45	V	D9	0.1 M Tris (1M pH 8.5)	10% Glycerol (80%), 20% PEG 300 (100%)	5% PEG 8000 (30%)
46	V	D10	0.1 M MES (0.5M pH 6)	40% PEG 400 (100%)	5% PEG 3350 (50%)
47	V	D11	0.1 M Imidazole (1M pH 8)	40%PEG 600 (70%)	0.2 M Zinc Acetate (1M)
48	V	D12	0.1 M Acetic acid (1M pH 4.5)	50% PEG 400 (100%)	0.2 M Lithium Sulphat (2M)

	Class	Well	Buffer	Precipitant	Salt/additives
49	V	E1	0.1 M Sodium Cacodylate (1M pH 6.5)	40% MPD (100%)	5% PEG 8000 (30%)
50	V	E2	0.1 M CHES (1M pH 9.5)	50% PEG 200 (100%)	
51	N	E3	0.1 M Phosphate-Citrate (1M pH 4.2)	40% Ethylene Glycol (100%)	0.2 M Ammonium Sulphate (3M)
52	V	E4	0.1 M HEPES (1M pH 7.5)	40% PEG 400 (100%)	0.2 M Calcium Acetate (1M)
53	V	E5	0.1 M TrisI (1M pH 7)	40% PEG 300 (100%)	5% PEG 1000 (50%)
54	V	E6	0.1 M Sodium Cacodylate (1M pH 6.5)	30%PEG 600 (70%), 10% Glycerol (80%)	1 M Sodium Chloride (5M)
55	N	E7	0.1 M Tris (1M pH 7)	40% Ethanol (100%)	
56	N	E8	0.1 M Sodium-Potassium Phosphate (1M pH 6.2)	35% 2-Ethoxyethanol (100%)	0.2 M Sodium Chloride (5M)
57	N	E9	0.1 M Imidazole (1M pH 8)	35% iso-Propanol (100%)	0.05 M Zinc Acetate (1M)
58	N	E10	0.1 M Acetic acid (1M pH 4.5)	40% 1,2-Propanediol (100%)	
59	N	E11	0.1 M Sodium-Potassium Phosphate (1M pH 6.2)	10% Glycerol (80%),25 % 1,2-Propanediol (100%)	
60	N	E12	0.1 M Citric Acid (1M pH 5.5)	40% 1,2-Propanediol (100%)	0.2 M Sodium Chloride (5M)
61	V	F1	0.1 M Sodium Cacodylate (1M pH 6.5)	35% MPD (100%)	0.05 M Zinc Acetate (1M)
62	N	F2	0.1 M Imidazole (1M pH 8)	40% Ethylene Glycol (100%)	0.2 M Calcium Acetate (1M)
63	V	F3	0.1 M Sodium-Potassium Phosphate (1M pH 6.2)	50% PEG 200 (100%)	0.2 M Sodium Chloride (5M)
64	V	F4	0.1 M Imidazole (1M pH 8)	10% Glycerol (80%),20% PEG 300 (100%)	1 M Ammonium Sulphate (3M)
65	V	F5	0.1 M MES (0.5M pH 6)	50% PEG 400 (100%)	
66	V	F6	0.1 M Phosphate-Citrate (1M pH 4.2)	40% PEG 300 (100%)	
67	V	F7	0.1 M Acetic acid (1M pH 4.5)	40% PEG 600 (70%)	0.2 M Magnesium Chloride (1M)
68	N	F8	0.1 M CHES (1M pH 9.5)	50% Ethylene Glycol (100%)	0.4 M Potassium Sodium Tartrate (1M)
69	N	F9	0.1 M Tris (1M pH 8.5)	35% 2-Ethoxyethanol (100%)	0.2 M Lithium Sulphate (2M)
70	N	F10	0.1 M Sodium Cacodylate (1M pH 6.5)	35% iso-Propanol (100%)	0.2 M Magnesium Chloride (1M)
71	N	F11	0.1 M HEPES (1M pH 7.5)	30%1,2-Propanediol (100%)	20% PEG 400 (100%)
72	N	F12	0.1 M Tris (1M pH 8.5)	10% Glycerol (80%), 25 % 1,2-Propanediol (100%)	0.2 M Magnesium Chloride (1M)
73	V	G1	0.1 M CAPS (0.5M pH 10.5)	40% MPD (100%)	
74	N	G2	0.1 M MES (0.5M pH 6)	40% Ethylene Glycol (100%)	0.2 M Zinc Acetate (1M)
75	V	G3	0.1 M Tris (1M pH 7)	50% PEG 200 (100%)	
76	V	G4	0.1 M Imidazole (1M pH 8)	40% PEG 300 (100%)	0.2 M Zinc Acetate (1M)
77	V	G5	0.1 M HEPES (1M pH 7.5)	30% PEG 400 (100%),10% Glycerol (80%)	5% PEG 3350 (50%)
78	V	G6	0.1 M Citric Acid (1M pH 5.5)	40% PEG 600 (70%)	
79	V	G7	0.1 M CHES (1M pH 9.5)	40% PEG 600 (70%)	
80	N	G8	0.1 M Acetic acid (1M pH 4.5)	35% iso-Propanol (100%)	
81	N	G9	0.1 M Sodium Cacodylate (1M pH 6.5)	45% Glycerol (80%)	0.2 M Calcium Acetate (1M)
82	N	G10	0.1 M Tris (1M pH 7)	10% Glycerol (80%), 25% 1,2-Propanediol (100%)	0.2 M Ammonium Sulphate(3M)
83	V	G11	0.1 M Citric Acid (1M pH 5.5)	40% MPD (100%)	
84	V	G12	0.1 M Sodium Cacodylate (1M pH 6.5)	50% PEG 200 (100%)	0.2 M Magnesium Chloride (1M)
85	N	H1	0.1 M Imidazole (1M pH 8)	50% Ethylene Glycol (100%)	
86	V	H2	0.1 M Acetic acid (1M pH 4.5)	40% PEG 400 (100%)	
87	V	H3	0.1 M Tris (1M pH 7)	10% Glycerol (80%), 30% PEG 600 (70%)	0.5 M Ammonium Sulphate (3M)
88	V	H4	0.1 M CHES (1M pH 9.5)	40% MPD (100%)	
89	N	H5	0.1 M HEPES (1M pH 7.5)	50% Ethylene Glycol (100%)	0.2 M Lithium Sulphate (2M)
90	V	H6	0.1 M Acetic acid(1M pH 4.5)	30% PEG 200 (100%)	0.1 M Sodium Chloride (5M)
91	V	H7	0.1 M Imidazole (1M pH 8)	40% PEG 400 (100%)	
92	V	H8	0.1 M Acetic acid (1M pH 4.5)	10% Glycerol (80%), 35 % MPD (100%)	
93	V	H9	0.1 M Acetic acid (1M pH 4.5)	40% PEG 300 (100%)	0.2 M Sodium Chloride (5M)
94	V	H10	0.1 M CAPS (0.5M pH 10.5)	30% PEG 200 (100%)	0.2 M Ammonium Sulphate (3M)
95	V	H11	0.1 M HEPES (1M pH 7.5)	50% PEG 200 (100%)	
96	V	H12	0.1 M Phosphate-Citrate (1M pH 4.2)	50%PEG 200 (100%)	0.2 M Sodium Chloride (5M)