

Helsinki Screen for Protein Complexes

This screen is designed for crystallisation of protein complexes based on a pdb-survey. PEG conditions are well presented.

(Concentration in parentheses is the stock solution concentration used to make the well solution)

	Well	Buffer	Precipitant	Salt/Additives
1	A1	0.1M Tris-Cl (1.00M pH 8.00)	25% PEG MME 350 (100.00%)	
2	A2	0.1M MES (0.50M pH 6.00)	15% PEG 400 (100.00%)	0.1M Ca Acetate (1.00M)
3	A3	0.1M HEPES (1.00M pH 7.50)	20% PEG 400 (100.00%)	0.1M Li Chloride (1.00M)
4	A4	0.1M Tris-Cl (1.00M pH 8.00)	25% PEG 400 (100.00%)	
5	A5	0.1M MES (0.50M pH 6.50)	15% PEG MME 550 (100.00%)	
6	A6	0.1M Na/K PO ₄ (1.00M pH 6.50)	25% PEG 1000 (50.00%)	0.2M Na Chloride (5.00M)
7	A7	0.1M Tris-Cl (3.00M pH 7.50)	20% PEG 1500 (50.00%)	0.1M (NH ₄) ₂ SO ₄ (2.00M)
8	A8	0.1M Na Acetate (1.00M pH 5.50)	10% PEG MME 2000 (50.00%)	0.2M (NH ₄) ₂ SO ₄ (2.00M)
9	A9	0.1M MES (0.50M pH 6.00)	20% PEG MME 2000 (50.00%)	0.2M Na Chloride (5.00M)
10	A10	0.1M Tris-Cl (1.00M pH 8.00)	15% PEG MME 2000 (50.00%)	0.1M K Chloride (2.00M)
11	A11	0.1M HEPES (1.00M pH 7.50)	25% PEG MME 2000 (50.00%)	
12	A12	0.1M Na Citrate (0.50M pH 5.50)	5% PEG 4000 (50.00%)	0.2M Na acetate (1.00M)
13	B1	0.1M Tris-Cl (3.00M pH 7.50)	5% PEG 4000 (50.00%)	0.2M Li Sulphate (1.00M)
14	B2	0.1M Na Acetate (1.00M pH 4.50)	10% PEG 4000 (50.00%)	0.1M Ca Acetate (1.00M)
15	B3	0.1M Na Citrate (0.50M pH 5.50)	10% PEG 4000 (50.00%)	0.2M Na Acetate (1.00M)
16	B4	0.1M MES (0.50M pH 6.50)	10% PEG 4000 (50.00%)	0.2M Na Chloride (5.00M)
17	B5	0.1M HEPES (1.00M pH 7.50)	10% PEG 4000 (50.00%)	0.1M Mg Chloride (1.00M)
18	B6	0.1M HEPES (0.50M pH 7.00)	10% Isopropanol (100.00%)	
19	B7	0.1M Na Acetate (0.50M pH 4.00)	15% PEG 4000 (50.00%)	0.2M NH ₄ Acetate (1.00M)
20	B8	0.1M Na Citrate (0.50M pH 5.00)	15% PEG 4000 (50.00%)	0.1M Mg Chloride (1.00M)
21	B9	0.1M Na Cacodylate (0.50M pH 6.00)	15% PEG 4000 (50.00%)	
22	B10	0.1M MES (0.50M pH 6.00)	15% PEG 4000 (50.00%)	0.15M (NH ₄) ₂ SO ₄ (2.00M)
23	B11	0.1M HEPES (0.50M pH 7.00)	15% PEG 4000 (50.00%)	
24	B12	0.1M HEPES (0.50M pH 7.00)	15% PEG 4000 (50.00%)	0.1M Mg Chloride (1.00M)
25	C1	0.1M Tris-Cl (1.00M pH 8.00)	15% PEG 4000 (50.00%)	0.15M (NH ₄) ₂ SO ₄ (2.00M)
26	C2	0.1M Na Citrate (1.00M pH 4.50)	20% PEG 4000 (50.00%)	
27	C3	0.1M Na Acetate (1.00M pH 5.00)	20% PEG 4000 (50.00%)	0.2M NH ₄ Acetate (1.00M)
28	C4	0.1M MES (0.50M pH 6.00)	20% PEG 4000 (50.00%)	0.2M Li Sulphate (2.00M)
29	C5	0.1M Tris-Cl (1.00M pH 8.00)	20% PEG 4000 (50.00%)	
30	C6	0.1M HEPES (0.50M pH 7.00)	20% PEG 4000 (50.00%)	0.15M (NH ₄) ₂ SO ₄ (2.00M)
31	C7	0.1M Na Citrate (1.00M pH 5.60)	20% PEG 4000 (50.00%) 20% Isopropanol (100.00%)	
32	C8	0.1M Tris-Cl (1.00M pH 8.00)	20% PEG 4000 (50.00%)	0.2M Na Chloride (5.00 M)
33	C9	0.1M Na Cacodylate (1.00M pH 5.50)	25% PEG 4000 (50.00%)	
34	C10	0.1M MES (0.50M pH 5.60)	25% PEG 4000 (50.00%)	0.15M (NH ₄) ₂ SO ₄ (2.00M)
35	C11	0.1M Na Cacodylate (1.00M pH 6.50)	25% PEG 4000 (50.00%)	
36	C12	0.1M MES (0.50M pH 6.50)	25% PEG 4000 (50.00%)	0.2M K Iodide (1.00M)
37	D1	0.1M HEPES (1.00M pH 7.50)	25% PEG 4000 (50.00%)	0.2M Na Chloride (5.00M)
38	D2	0.1M MES (0.50M pH 6.50)	12 % Isopropanol (100.00%) 10% PEG MME 5000 (50.00%)	
39	D3	0.1M HEPES (0.50M pH 7.00)	15% PEG MME 5000 (50.00%)	0.1M K Chloride (2.00M)
40	D4	0.1M Tris-Cl (3.00M pH 7.50)	20% PEG MME 5000 (50.00%)	0.2M (NH ₄) ₂ SO ₄ (2.00M)
41	D5	0.1M MES (0.50M pH 6.00)	8 % PEG 6000 (50.00%)	0.1M Mg Chloride (1.00M)
42	D6	0.1M Tris-Cl (1.00M pH 8.00)	8 % PEG 6000 (50.00%)	0.15M Na Chloride (5.00M)
43	D7	0.1M Na Citrate (0.50M pH 5.50)	15% PEG 6000 (50.00%)	
44	D8	0.1M Na Cacodylate (1.00M pH 6.50)	15% PEG 6000 (50.00%)	0.1M Mg Acetate (2.00M)
45	D9	0.1M MES (0.50M pH 6.50)	5% MPD (100.00%) 15% PEG 6000 (50.00%)	

46	D10	0.1M HEPES (1.00M pH 7.50)	15% PEG 6000 (50.00%)	0.1M K Chloride (2.00M)
47	D11	0.1M Tris-Cl (3.00M pH 7.50)	15% PEG 6000 (50.00%)	
48	D12	0.1M Tris-Cl (1.00M pH 8.50)	20% PEG 6000 (50.00%)	
49	E1	0.1M Na Acetate (1.00M pH 4.50)	8 % PEG 8000 (50.00%)	0.1M Mg Acetate (2.00M)
50	E2	0.1M Na Citrate (0.50M pH 5.00)	8 % PEG 8000 (50.00%)	
51	E3	0.1M Na Cacodylate (0.50M pH 6.00)	8 % PEG 8000 (50.00%)	0.2M Na Chloride (5.00M)
52	E4	0.1M HEPES (0.50M pH 7.00)	8 % PEG 8000 (50.00%)	
53	E5	0.1M Tris-Cl (1.00M pH 8.00)	8 % PEG 8000 (50.00%)	
54	E6	0.1M Na Cacodylate (1.00M pH 5.50)	12 % PEG 8000 (50.00%)	0.1M Ca Acetate (1.00M)
55	E7	0.1M Na Phosphate (1.00M pH 6.50)	12 % PEG 8000 (50.00%)	
56	E8	0.1M MOPS (0.50M pH 7.50)	12 % PEG 8000 (50.00%)	0.1M Mg Acetate (2.00M)
57	E9	0.1M HEPES (1.00M pH 7.50)	12 % PEG 8000 (50.00%)	0.2M M Na Chloride (5.00M)
58	E10	0.1M Tris-Cl (1.00M pH 8.50)	12 % PEG 8000 (50.00%)	0.2M (NH ₄) ₂ SO ₄ (2.00M)
59	E11	0.1M Na Citrate (0.50M pH 5.00)	20% PEG 8000 (50.00%)	
60	E12	0.1M MES (0.50M pH 6.50)	20% PEG 8000 (50.00%)	0.2M (NH ₄) ₂ SO ₄ (2.00M)
61	F1	0.1M HEPES (0.50M pH 7.00)	20% PEG 8000 (50.00%)	
62	F2	0.1M Tris-Cl (1.00M pH 8.00)	20% PEG 8000 (50.00%)	0.2M Li Chloride (1.00M)
63	F3	0.1M MES (0.50M pH 6.50)	10% PEG 10K (30.00%)	0.1M Mg Acetate (2.00M)
64	F4	0.1M HEPES (0.50M pH 7.00)	18 % PEG 12K (50.00%)	
65	F5	0.1M Tris-Cl (1.00M pH 8.00)	8 % PEG 20K (30.00%)	0.1M Na Chloride (5.00M)
66	F6	0.1M HEPES (0.50M pH 7.00)	15% PEG 20K (30.00%)	
67	F7	0.1M MES (0.50M pH 6.50)		0.5M (NH ₄) ₂ SO ₄ (2.00M)
68	F8	0.1M Na Acetate (1.00M pH 5.00)		1 M (NH ₄) ₂ SO ₄ (2.00M)
69	F9	0.1M MES (0.50M pH 6.50)		1 M (NH ₄) ₂ SO ₄ (2.00M)
70	F10	0.1M Tris-Cl (1.00M pH 8.00)		1 M (NH ₄) ₂ SO ₄ (2.00M)
71	F11	0.1M Na Acetate (1.00M pH 5.00)		1.5M (NH ₄) ₂ SO ₄ (2.00M)
72	F12	0.1M HEPES (0.50M pH 7.00)		1.5M (NH ₄) ₂ SO ₄ (2.00M)
73	G1	0.1M Tris-Cl (1.00M pH 8.00)		1.5M (NH ₄) ₂ SO ₄ (2.00M)
74	G2	0.1M Na Acetate (1.00M pH 5.00)		2 M (NH ₄) ₂ SO ₄ (3.00M)
75	G3	0.1M HEPES (0.50M pH 7.00)		2 M (NH ₄) ₂ SO ₄ (3.00M)
76	G4	0.1M Tris-Cl (1.00M pH 8.00)		2 M (NH ₄) ₂ SO ₄ (3.00M)
77	G5	0.1M HEPES (0.50M pH 7.00)		1 M (NH ₄) ₂ SO ₄ (3.50M) 1 M K Chloride (2.00M)
78	G6	0.1M Na Acetate (1.00M pH 5.00)		2 M Na Formate (4.00M)
79	G7	0.1M Tris-Cl (3.00M pH 7.50)		3 M Na Formate (4.00M)
80	G8	0.8 M Na/K PO ₄ (2.00M pH 7.50)		
81	G9	1.3 M Na/K PO ₄ (2.00M pH 7.00)		
82	G10	1.6 M Na/K PO ₄ (2.00M pH 6.50)		
83	G11	0.1M HEPES (1.00M pH 7.50)		1 M Na Acetate(3.00M)
84	G12	0.1M HEPES (0.50M pH 7.00)		1M Na Citrate (1.60M)
85	H1	0.1M Na Citrate (1.00M pH 6.00)		2 M Na Chloride (5.00M)
86	H2	0.1M MES (0.50M pH 6.50)		1 M Li Sulphate (2.00M)
87	H3	0.1M Tris-Cl (1.00M pH 8.00)		1.6 M Li Sulphate (2.00M)
88	H4	1.4 M Na Malonate (2.00M pH 6.00)		
89	H5	0.1M Tris-Cl (1.00M pH 8.00)		1.2 M K/Na Tartrate (2.00M)
90	H6	0.1M MES (0.50M pH 6.50)		1.6 M Mg Sulphate (2.00M)
91	H7	0.1M Na Acetate (1.00M pH 5.00)	15% MPD (100.00%) 2% PEG 4000 (50.00%)	
92	H8	0.1M Na Cacodylate (0.50M pH 6.00)	25% MPD (100.00%)	0.05M Ca Acetate (1.00M)
93	H9	0.1M Imidazole (2.00M pH 7.00)	50% MPD (100.00%)	
94	H10	0.1M MES (0.50M pH 6.50)	10% Isopropanol (100.00%) 5% PEG 4000 (50%)	0.05M Mg Chloride (1.00M)
95	H11	0.1M HEPES (1.00M pH 7.50)	25% Isopropanol (100.00%)	0.2M NH ₄ Acetate (1.00M)
96	H12	0.1M Tris-Cl (1.00M pH 8.00)	15% Ethanol (100.00%) 5% MPD (100%)	0.1M Na Chloride (5.00M)