

THE OPTI-SALTS SUITE

FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS



The Opti-Salts Suite provides:

- A ready-to-use kit format, for easy and fast screening
- Ideal conditions for optimization of screening results
- 96 precisely defined chemical solutions representing the most important optimization variables
- The potential to test the effect of concentration, pH variation and additives on crystallization

The Opti-Salts Screen is available in a 0.5 ml DWBlock format.

EasyXtal Refill-Hit Solutions can be used to develop grids around the original hit conditions. An overview of the composition of the 96 solutions together with an order number for the corresponding Refill-Hit Solution can be found on pages 2 and 3. The location of each Refill-Hit Solution number is given in the diagram below.

● **Fast, simple, consistent crystallography. NO SURPRISES**



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THE OPTI-SALTS SUITE COMPOSITION TABLE

#	Well	Buffer	Optimizer	100 ml Refill SKU
1	A1	1 M Sodium acetate pH 4.6		136001-01
2	A2			136001-02
3	A3	1 M Tris-HCl pH 8.5		136001-03
4	A4	0.1 M Sodium acetate pH 4.6	3.2 M Sodium chloride	136001-04
5	A5		3.2 M Sodium chloride	136001-05
6	A6	0.1 M Tris-HCl pH 8.5	3.2 M Sodium chloride	136001-06
7	A7	0.1 M Sodium acetate pH 4.6	2.4 M Sodium malonate	136001-07
8	A8		2.4 M Sodium malonate	136001-08
9	A9	0.1 M Tris-HCl pH 8.5	2.4 M Sodium malonate	136001-09
10	A10	0.1 M Sodium acetate pH 4.6	1.5 M Magnesium chloride	136001-10
11	A11		1.5 M Magnesium chloride	136001-11
12	A12	0.1 M Tris-HCl pH 8.5	1.5 M Magnesium chloride	136001-12
13	B1	0.1 M Sodium acetate pH 4.6		136001-13
14	B2		ddH ₂ O	136001-14
15	B3	0.1 M Tris-HCl pH 8.5		136001-15
16	B4	0.1 M Sodium acetate pH 4.6	1.6 M Sodium chloride	136001-16
17	B5		1.6 M Sodium chloride	136001-17
18	B6	0.1 M Tris-HCl pH 8.5	1.6 M Sodium chloride	136001-18
19	B7	0.1 M Sodium acetate pH 4.6	1.2 M Sodium malonate	136001-19
20	B8		1.2 M Sodium malonate	136001-20
21	B9	0.1 M Tris-HCl pH 8.5	1.2 M Sodium malonate	136001-21
22	B10	0.1 M Sodium acetate pH 4.6	0.75 Magnesium chloride	136001-22
23	B11		0.75 Magnesium chloride	136001-23
24	B12	0.1 M Tris-HCl pH 8.5	0.75 Magnesium chloride	136001-24
25	C1	0.1 M Sodium acetate pH 4.6	1.2 M Sodium citrate	136001-25
26	C2		1.2 M Sodium citrate	136001-26
27	C3	0.1 M Tris-HCl pH 8.5	1.2 M Sodium citrate	136001-27
28	C4	0.1 M Sodium acetate pH 4.6	2 M Magnesium acetate	136001-28
29	C5		2 M Magnesium acetate	136001-29
30	C6	0.1 M Tris-HCl pH 8.5	2 M Magnesium acetate	136001-30
31	C7	0.1 M Sodium acetate pH 4.6	3.5 M Ammonium chloride	136001-31
32	C8		3.5 M Ammonium chloride	136001-32
33	C9	0.1 M Tris-HCl pH 8.5	3.5 M Ammonium chloride	136001-33
34	C10	0.1 M Sodium acetate pH 4.6	3.5 M Sodium bromide	136001-34
35	C11		3.5 M Sodium bromide	136001-35
36	C12	0.1 M Tris-HCl pH 8.5	3.5 M Sodium bromide	136001-36
37	D1	0.1 M Sodium acetate pH 4.6	0.6 M Sodium citrate	136001-37
38	D2		0.6 M Sodium citrate	136001-38
39	D3	0.1 M Tris-HCl pH 8.5	0.6 M Sodium citrate	136001-39
40	D4	0.1 M Sodium acetate pH 4.6	1 M Magnesium acetate	136001-40
41	D5		1 M Magnesium acetate	136001-41
42	D6	0.1 M Tris-HCl pH 8.5	1 M Magnesium acetate	136001-42
43	D7	0.1 M Sodium acetate pH 4.6	1.75 M Ammonium chloride	136001-43
44	D8		1.75 M Ammonium chloride	136001-44
45	D9	0.1 M Tris-HCl pH 8.5	1.75 M Ammonium chloride	136001-45
46	D10	0.1 M Sodium acetate pH 4.6	1.75 M Sodium bromide	136001-46
47	D11		1.75 M Sodium bromide	136001-47
48	D12	0.1 M Tris-HCl pH 8.5	1.75 M Sodium bromide	136001-48



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THE OPTI-SALTS SUITE COMPOSITION TABLE

#	Well	Buffer	Optimizer	100 ml Refill SKU
49	E1	0.1 M Sodium acetate pH 4.6	3.5 M Sodium formate	136001-49
50	E2		3.5 M Sodium formate	136001-50
51	E3	0.1 M Tris-HCl pH 8.5	3.5 M Sodium formate	136001-51
52	E4	0.1 M Sodium acetate pH 4.6	2.2 M Calcium chloride	136001-52
53	E5		2.2 M Calcium chloride	136001-53
54	E6	0.1 M Tris-HCl pH 8.5	2.2 M Calcium chloride	136001-54
55	E7	0.1 M Sodium acetate pH 4.6	4.5 M Ammonium acetate	136001-55
56	E8		4.5 M Ammonium acetate	136001-56
57	E9	0.1 M Tris-HCl pH 8.5	4.5 M Ammonium acetate	136001-57
58	E10	0.1 M Sodium acetate pH 4.6	0.6 M Sodium fluoride	136001-58
59	E11		0.6 M Sodium fluoride	136001-59
60	E12	0.1 M Tris-HCl pH 8.5	0.6 M Sodium fluoride	136001-60
61	F1	0.1 M Sodium acetate pH 4.6	1.75 M Sodium formate	136001-61
62	F2		1.75 M Sodium formate	136001-62
63	F3	0.1 M Tris-HCl pH 8.5	1.75 M Sodium formate	136001-63
64	F4	0.1 M Sodium acetate pH 4.6	1.1 M Calcium chloride	136001-64
65	F5		1.1 M Calcium chloride	136001-65
66	F6	0.1 M Tris-HCl pH 8.5	1.1 M Calcium chloride	136001-66
67	F7	0.1 M Sodium acetate pH 4.6	2.25 M Ammonium acetate	136001-67
68	F8		2.25 M Ammonium acetate	136001-68
69	F9	0.1 M Tris-HCl pH 8.5	2.25 M Ammonium acetate	136001-69
70	F10	0.1 M Sodium acetate pH 4.6	0.3 M Sodium fluoride	136001-70
71	F11		0.3 M Sodium fluoride	136001-71
72	F12	0.1 M Tris-HCl pH 8.5	0.3 M Sodium fluoride	136001-72
73	G1	0.1 M Sodium acetate pH 4.6	2.2 M Potassium chloride	136001-73
74	G2		2.2 M Potassium chloride	136001-74
75	G3	0.1 M Tris-HCl pH 8.5	2.2 M Potassium chloride	136001-75
76	G4	0.1 M Sodium acetate pH 4.6	2.4 M Sodium thiocyanate	136001-76
77	G5		2.4 M Sodium thiocyanate	136001-77
78	G6	0.1 M Tris-HCl pH 8.5	2.4 M Sodium thiocyanate	136001-78
79	G7	0.1 M Sodium acetate pH 4.6	3.5 M Sodium nitrate	136001-79
80	G8		3.5 M Sodium nitrate	136001-80
81	G9	0.1 M Tris-HCl pH 8.5	3.5 M Sodium nitrate	136001-81
82	G10	0.1 M Sodium acetate pH 4.6	4 M Lithium chloride	136001-82
83	G11		4 M Lithium chloride	136001-83
84	G12	0.1 M Tris-HCl pH 8.5	4 M Lithium chloride	136001-84
85	H1	0.1 M Sodium acetate pH 4.6	1.1 M Potassium chloride	136001-85
86	H2		1.1 M Potassium chloride	136001-86
87	H3	0.1 M Tris-HCl pH 8.5	1.1 M Potassium chloride	136001-87
88	H4	0.1 M Sodium acetate pH 4.6	1.2 M Sodium thiocyanate	136001-88
89	H5		1.2 M Sodium thiocyanate	136001-89
90	H6	0.1 M Tris-HCl pH 8.5	1.2 M Sodium thiocyanate	136001-90
91	H7	0.1 M Sodium acetate pH 4.6	1.75 M Sodium nitrate	136001-91
92	H8		1.75 M Sodium nitrate	136001-92
93	H9	0.1 M Tris-HCl pH 8.5	1.75 M Sodium nitrate	136001-93
94	H10	0.1 M Sodium acetate pH 4.6	2 M Lithium chloride	136001-94
95	H11		2 M Lithium chloride	136001-95
96	H12	0.1 M Tris-HCl pH 8.5	2 M Lithium chloride	136001-96



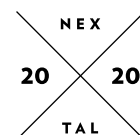
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Other NeXtal Crystallization Screens Available

- The Classics Suite
- The Classics Lite Suite
- The Classics II Suite
- The Cryos Suite
- The PEGs Suite
- The AmSO₄ Suite
- The MPD Suite
- The Anions Suite
- The Cations Suite
- The pHClear Suite
- The pHClear II Suite
- The MbClass Suite
- The MbClass II Suite
- The Protein Complex Suite
- The PEGs II Suite
- The CompPAS Suite
- The PACT Suite
- The Nucleix Suite
- The JCSG+ Suite
- The JCSG Core I-IV Suites
- The Opti-Salts Suite



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