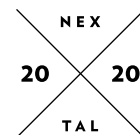


THE COMPAS SUITE

FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS



The ComPAS Suite provides:

- A ready-to-use kit format to which only protein needs to be added, for easy and fast screening
- Complementary initial screening solutions selected from the most successful BMCD (1) crystallization conditions
- Polymers, alcohols, and salts as precipitant types
- Maximized reproducibility through access to production reports

The ComPAS Suite is available in 1 ml DWBlock and 10 ml tube formats.

The formulations of the 96 conditions of this screen, together with an order number for the 100 ml refill solution for each condition, are found on pages 2 and 3. Optimization reagent stock solutions for each NeXtal crystallization screen are available on our website. Please contact us with any questions about condition formulations or optimization.

1. Gilliland, G.L., Tung, M., Blakeslee, D.M. and Ladner, J. 1994. The Biological Macromolecule Crystallization Database, Version 3.0: New Features, Data, and the NASA Archive for Protein Crystal Growth Data. Acta Crystallogr. D50 408-413.



THE COMPAS SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	100 ml Refill SKU
1	A1	0.1 M Potassium chloride		12% (w/v) PEG 8000; 5% (w/v) Glycerol	135601-1
2	A2	0.5 M Potassium chloride		12% (w/v) PEG 8000; 10% (w/v) Glycerol	135601-2
3	A3	0.2 M Ammonium sulfate		15% (w/v) PEG 8000	135601-3
4	A4	0.5 M Lithium sulfate		15% (w/v) PEG 8000	135601-4
5	A5	0.2 M Sodium acetate	0.1 M MES pH 6.5	15% (w/v) PEG 8000	135601-5
6	A6	0.05 M Ammonium sulfate	0.1 M Sodium citrate	15% (w/v) PEG 8000	135601-6
7	A7	0.2 M Calcium acetate	0.1 M HEPES pH 7.5	18% (w/v) PEG 8000	135601-7
8	A8	0.1 M Sodium acetate	0.1 M HEPES pH 7.5	18% (w/v) PEG 8000; 2% (w/v) Isopropanol	135601-8
9	A9	0.2 M Lithium sulfate	0.1 M Tris pH 8.5	18% (w/v) PEG 8000	135601-9
10	A10		0.1 M HEPES pH 7.5	20% (w/v) PEG 8000	135601-10
11	A11	0.2 M Magnesium acetate	0.1 M MES pH 6.5	20% (w/v) PEG 8000	135601-11
12	A12		0.1 M CHES pH 9.5	20% (w/v) PEG 8000	135601-12
13	B1	0.2 M Ammonium sulfate	0.1 M MES pH 6.5	22% (w/v) PEG 8000	135601-13
14	B2	0.2 M Lithium chloride		25% (w/v) PEG 8000	135601-14
15	B3	0.2 M Ammonium sulfate		30% (w/v) PEG 8000	135601-15
16	B4		0.1 M Sodium acetate pH 4.6	8% (w/v) PEG 10000	135601-16
17	B5		0.1 M Imidazole pH 8.0	14% (w/v) PEG 10000	135601-17
18	B6		0.1 M Tris pH 8.5	16% (w/v) PEG 10000	135601-18
19	B7	0.1 M Sodium chloride	0.1 M Tris pH 8.5	18% (w/v) PEG 10000; 20% (w/v) Glycerol	135601-19
20	B8		0.1 M HEPES pH 7.5	20% (w/v) PEG 10000	135601-20
21	B9		0.1 M Tris pH 8.5	30% (w/v) PEG 10000	135601-21
22	B10		0.1 M MES pH 6.5	10% (w/v) PEG 20000	135601-22
23	B11	0.1 M Magnesium chloride	0.1 M Tris pH 8.5	17% (w/v) PEG 20000	135601-23
24	B12			20% (w/v) PEG 20000	135601-24
25	C1	0.01 M Sodium acetate		50% (w/v) MPD; 15% (w/v) Ethanol	135601-25
26	C2	0.05M Sodium chloride	0.05 M Sodium acetate	50% (w/v) MPD; 20% (w/v) Isopropanol	135601-26
27	C3	0.1 M Ammonium phosphate	0.1 M Tris pH 8.5	50% (w/v) MPD	135601-27
28	C4			55% (w/v) MPD	135601-28
29	C5	0.01 M Calcium chloride	0.1 M Sodium acetate pH 4.6	60% (w/v) MPD	135601-29
30	C6	0.02 M Sodium acetate		60% (w/v) MPD	135601-30
31	C7		0.1 M MES pH 6.5	70% (w/v) MPD	135601-31
32	C8		0.1 M Tris pH 8.5	70% (w/v) MPD	135601-32
33	C9	0.01 M Calcium chloride	0.1 M Tris pH 8.5	20% (w/v) Methanol	135601-33
34	C10		0.1 M Tris pH 8.5	2% (w/v) Ethanol	135601-34
35	C11		0.1 M HEPES pH 7.5	5% (w/v) Ethanol; 5% (w/v) MPD	135601-35
36	C12	0.2 M Sodium chloride	0.1 M Tris pH 8.5	5% (w/v) Ethanol; 5% (w/v) MPD	135601-36
37	D1		0.1 M Tris pH 8.5	10% (w/v) Ethanol	135601-37
38	D2		0.1 M Sodium acetate pH 4.6	12% (w/v) Ethanol; 4% (w/v) PEG 400	135601-38
39	D3		0.1 M Tris pH 8.5	14% (w/v) Ethanol; 5% (w/v) Glycerol	135601-39
40	D4		0.1 M Tris pH 8.5	18% (w/v) Ethanol	135601-40
41	D5			20% (w/v) Ethanol	135601-41
42	D6			20% (w/v) Ethanol; 10% (w/v) Glycerol	135601-42
43	D7	0.1 M Sodium acetate		30% (w/v) Ethanol; 10% (w/v) PEG 6000	135601-43
44	D8			45% (w/v) Ethanol	135601-44
45	D9	0.01 M Sodium acetate		50% (w/v) Ethanol	135601-45
46	D10	0.05 M Sodium acetate		60% (w/v) Ethanol; 1.5% (w/v) PEG 6000	135601-46
47	D11	0.1 M Sodium chloride		60% (w/v) Ethanol	135601-47
48	D12	0.01 M Magnesium sulfate	0.1 M Tris pH 8.5	2% (w/v) Isopropanol	135601-48



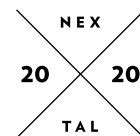
THE COMPAS SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	100 ml Refill SKU
49	E1		0.1 M HEPES pH 7.5	5% (w/v) Isopropanol	135601-49
50	E2	0.2 M Calcium chloride	0.1 M Sodium acetate pH 4.6	10% (w/v) Isopropanol	135601-50
51	E3	0.2 M Sodium citrate	0.1 M HEPES pH 7.5	10% (w/v) Isopropanol	135601-51
52	E4	0.01 M Magnesium chloride	0.1 M Tris pH 8.5	10% (w/v) Isopropanol	135601-52
53	E5	0.05 M Sodium chloride	0.1 M Tris pH 8.5	12% (w/v) Isopropanol	135601-53
54	E6	0.2 M Sodium citrate	0.1 M MES pH 6.5	15% (w/v) Isopropanol	135601-54
55	E7	0.2 M Sodium citrate	0.1 M HEPES pH 7.5	15% (w/v) Isopropanol	135601-55
56	E8	0.2 M Magnesium chloride	0.1 M HEPES pH 7.5	15% (w/v) Isopropanol	135601-56
57	E9	0.2 M Ammonium acetate	0.1 M Tris pH 8.5	15% (w/v) Isopropanol	135601-57
58	E10	0.2 M Calcium chloride	0.1 M Sodium acetate pH 4.6	20% (w/v) Isopropanol	135601-58
59	E11	0.2 M Sodium citrate	0.1 M HEPES pH 7.5	20% (w/v) Isopropanol	135601-59
60	E12	0.1 M Magnesium chloride	0.1 M HEPES pH 7.5	25% (w/v) Isopropanol	135601-60
61	F1	0.2 M Sodium citrate	0.1 M MES pH 6.5	30% (w/v) Isopropanol	135601-61
62	F2	0.2 M Magnesium chloride	0.1 M HEPES pH 7.5	30% (w/v) Isopropanol	135601-62
63	F3	0.2 M Ammonium acetate	0.1 M Tris pH 8.5	30% (w/v) Isopropanol	135601-63
64	F4	0.1 M Calcium chloride	0.1 M Tris pH 8.5	25% (w/v) tert-Butanol	135601-64
65	F5		0.1 M Sodium citrate pH 5.6	35% (w/v) tert-Butanol	135601-65
66	F6			0.2 M Ammonium dihydrogen phosphate	135601-66
67	F7			0.2 M Potassium/Sodium tartrate	135601-67
68	F8			0.2 M Magnesium acetate	135601-68
69	F9			0.4 M Ammonium dihydrogen phosphate	135601-69
70	F10			0.4 M Potassium/Sodium tartrate	135601-70
71	F11		0.1 M Tris pH 8.5	0.4 M Potassium/Sodium tartrate	135601-71
72	F12	0.2 M Sodium citrate		0.5 M Ammonium dihydrogen phosphate	135601-72
73	G1		0.1 M Imidazole pH 8.0	0.5 M Sodium acetate	135601-73
74	G2		0.1 M HEPES pH 7.5	0.7 M Sodium citrate	135601-74
75	G3		0.1 M Tris pH 8.5	0.7 M Lithium sulfate	135601-75
76	G4		0.1 M HEPES pH 7.5	0.8 M Potassium/Sodium tartrate	135601-76
77	G5		0.1 M Sodium citrate pH 5.6	1.0 M Ammonium dihydrogen phosphate	135601-77
78	G6		0.1 M Tris pH 8.5	1.0 M Ammonium dihydrogen phosphate	135601-78
79	G7	0.01 M Nickel chloride	0.1 M Tris pH 8.5	1.0 M Lithium sulfate	135601-79
80	G8		0.1 M Imidazole pH 8.0	1.0 M Sodium acetate	135601-80
81	G9		0.1 M Sodium acetate pH 4.6	1.0 M Sodium formate	135601-81
82	G10		0.1 M MES pH 6.5	1.4 M Sodium acetate	135601-82
83	G11		0.1 M HEPES pH 7.5	1.4 M Sodium citrate	135601-83
84	G12		0.1 M Tris pH 8.5	1.5 M Lithium sulfate	135601-84
85	H1		1 M Sodium citrate pH 6.5		135601-85
86	H2		0.1 M MES pH 6.5	1.6 M Magnesium sulfate	135601-86
87	H3		0.1 M MES pH 6.5	1.6 M Potassium/Sodium tartrate	135601-87
88	H4		0.1 M MES pH 6.5	2.0 M Ammonium formate	135601-88
89	H5		0.1 M Tris pH 8.5	2.0 M Ammonium dihydrogen phosphate	135601-89
90	H6			2.0 M Sodium formate	135601-90
91	H7		0.1 M Tris pH 8.5	2.0 M Magnesium chloride	135601-91
92	H8	0.2 M Sodium acetate	0.1 M MES pH 6.5	2.0 M Sodium chloride	135601-92
93	H9		0.1 M Sodium acetate pH 4.6	2.0 M Sodium formate	135601-93
94	H10		0.1 M Tris pH 8.5	1.0 M Ammonium dihydrogen phosphate; 30% (w/v) Glycerol	135601-94
95	H11		0.1 M HEPES pH 7.5	4.0 M Sodium chloride	135601-95
96	H12			3.0 M Sodium formate	135601-96



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 ComPAS Suite
- The PACT Suite
- The Nucleix Suite
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