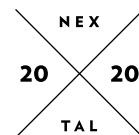


THE pHCLEAR SUITE

FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS



The pHClear Suite provides:

- A ready-to-use kit format to which only protein needs to be added, for easy and fast screening
- Ideal conditions for an initial screening to define crystallization conditions of a new protein
- Easy analysis of the effect of precipitant concentration and pH
- 96 precisely defined chemical solutions containing the most popular precipitants
- Grids around various concentrations of popular precipitants covering a wide range of pH (4.0 to 9.0)
 - Salts: Sodium chloride, Ammonium sulphate
 - Polymers: PEG 6000
 - Organics: MPD

The pHClear 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.

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



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THE PHCLEAR SUITE COMPOSITION TABLE

#	Well	Buffer	Precipitant	Final pH	100 ml Refill SKU
1	A1	0.1 M Citric acid	1.0 M Sodium chloride	4.0	134801-01
2	A2	0.1 M Citric acid	1.0 M Sodium chloride	5.0	134801-02
3	A3	0.1 M MES	1.0 M Sodium chloride	6.0	134801-03
4	A4	0.1 M HEPES	1.0 M Sodium chloride	7.0	134801-04
5	A5	0.1 M TRIS	1.0 M Sodium chloride	8.0	134801-05
6	A6	0.1 M BICINE	1.0 M Sodium chloride	9.0	134801-06
7	A7	0.1 M Citric acid	2.0 M Sodium chloride	4.0	134801-07
8	A8	0.1 M Citric acid	2.0 M Sodium chloride	5.0	134801-08
9	A9	0.1 M MES	2.0 M Sodium chloride	6.0	134801-09
10	A10	0.1 M HEPES	2.0 M Sodium chloride	7.0	134801-10
11	A11	0.1 M TRIS	2.0 M Sodium chloride	8.0	134801-11
12	A12	0.1 M BICINE	2.0 M Sodium chloride	9.0	134801-12
13	B1	0.1 M Citric acid	3.0 M Sodium chloride	4.0	134801-13
14	B2	0.1 M Citric acid	3.0 M Sodium chloride	5.0	134801-14
15	B3	0.1 M MES	3.0 M Sodium chloride	6.0	134801-15
16	B4	0.1 M HEPES	3.0 M Sodium chloride	7.0	134801-16
17	B5	0.1 M TRIS	3.0 M Sodium chloride	8.0	134801-17
18	B6	0.1 M BICINE	3.0 M Sodium chloride	9.0	134801-18
19	B7	0.1 M Citric acid	4.0 M Sodium chloride	4.0	134801-19
20	B8	0.1 M Citric acid	4.0 M Sodium chloride	5.0	134801-20
21	B9	0.1 M MES	4.0 M Sodium chloride	6.0	134801-21
22	B10	0.1 M HEPES	4.0 M Sodium chloride	7.0	134801-22
23	B11	0.1 M TRIS	4.0 M Sodium chloride	8.0	134801-23
24	B12	0.1 M BICINE	4.0 M Sodium chloride	9.0	134801-24
25	C1	0.1 M Citric acid	5% (w/v) PEG 6000	4.0	134801-25
26	C2	0.1 M Citric acid	5% (w/v) PEG 6000	5.0	134801-26
27	C3	0.1 M MES	5% (w/v) PEG 6000	6.0	134801-27
28	C4	0.1 M HEPES	5% (w/v) PEG 6000	7.0	134801-28
29	C5	0.1 M TRIS	5% (w/v) PEG 6000	8.0	134801-29
30	C6	0.1 M BICINE	5% (w/v) PEG 6000	9.0	134801-30
31	C7	0.1 M Citric acid	10% (w/v) PEG 6000	4.0	134801-31
32	C8	0.1 M Citric acid	10% (w/v) PEG 6000	5.0	134801-32
33	C9	0.1 M MES	10% (w/v) PEG 6000	6.0	134801-33
34	C10	0.1 M HEPES	10% (w/v) PEG 6000	7.0	134801-34
35	C11	0.1 M TRIS	10% (w/v) PEG 6000	8.0	134801-35
36	C12	0.1 M BICINE	10% (w/v) PEG 6000	9.0	134801-36
37	D1	0.1 M Citric acid	20% (w/v) PEG 6000	4.0	134801-37
38	D2	0.1 M Citric acid	20% (w/v) PEG 6000	5.0	134801-38
39	D3	0.1 M MES	20% (w/v) PEG 6000	6.0	134801-39
40	D4	0.1 M HEPES	20% (w/v) PEG 6000	7.0	134801-40
41	D5	0.1 M TRIS	20% (w/v) PEG 6000	8.0	134801-41
42	D6	0.1 M BICINE	20% (w/v) PEG 6000	9.0	134801-42
43	D7	0.1 M Citric acid	30% (w/v) PEG 6000	4.0	134801-43
44	D8	0.1 M Citric acid	30% (w/v) PEG 6000	5.0	134801-44
45	D9	0.1 M MES	30% (w/v) PEG 6000	6.0	134801-45
46	D10	0.1 M HEPES	30% (w/v) PEG 6000	7.0	134801-46
47	D11	0.1 M TRIS	30% (w/v) PEG 6000	8.0	134801-47
48	D12	0.1 M BICINE	30% (w/v) PEG 6000	9.0	134801-48



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THE PHCLEAR SUITE COMPOSITION TABLE

#	Well	Buffer	Precipitant	Final pH	100 ml Refill SKU
49	E1	0.1 M Citric acid	0.8 M Ammonium sulfate	4.0	134801-49
50	E2	0.1 M Citric acid	0.8 M Ammonium sulfate	5.0	134801-50
51	E3	0.1 M MES	0.8 M Ammonium sulfate	6.0	134801-51
52	E4	0.1 M HEPES	0.8 M Ammonium sulfate	7.0	134801-52
53	E5	0.1 M TRIS	0.8 M Ammonium sulfate	8.0	134801-53
54	E6	0.1 M BICINE	0.8 M Ammonium sulfate	9.0	134801-54
55	E7	0.1 M Citric acid	1.6 M Ammonium sulfate	4.0	134801-55
56	E8	0.1 M Citric acid	1.6 M Ammonium sulfate	5.0	134801-56
57	E9	0.1 M MES	1.6 M Ammonium sulfate	6.0	134801-57
58	E10	0.1 M HEPES	1.6 M Ammonium sulfate	7.0	134801-58
59	E11	0.1 M TRIS	1.6 M Ammonium sulfate	8.0	134801-59
60	E12	0.1 M BICINE	1.6 M Ammonium sulfate	9.0	134801-60
61	F1	0.1 M Citric acid	2.4 M Ammonium sulfate	4.0	134801-61
62	F2	0.1 M Citric acid	2.4 M Ammonium sulfate	5.0	134801-62
63	F3	0.1 M MES	2.4 M Ammonium sulfate	6.0	134801-63
64	F4	0.1 M HEPES	2.4 M Ammonium sulfate	7.0	134801-64
65	F5	0.1 M TRIS	2.4 M Ammonium sulfate	8.0	134801-65
66	F6	0.1 M BICINE	2.4 M Ammonium sulfate	9.0	134801-66
67	F7	0.1 M Citric acid	3.2 M Ammonium sulfate	4.0	134801-67
68	F8	0.1 M Citric acid	3.2 M Ammonium sulfate	5.0	134801-68
69	F9	0.1 M MES	3.2 M Ammonium sulfate	6.0	134801-69
70	F10	0.1 M HEPES	3.2 M Ammonium sulfate	7.0	134801-70
71	F11	0.1 M TRIS	3.2 M Ammonium sulfate	8.0	134801-71
72	F12	0.1 M BICINE	3.2 M Ammonium sulfate	9.0	134801-72
73	G1	0.1 M Citric acid	10% (v/v) MPD	4.0	134801-73
74	G2	0.1 M Sodium acetate	10% (v/v) MPD	5.0	134801-74
75	G3	0.1 M MES	10% (v/v) MPD	6.0	134801-75
76	G4	0.1 M HEPES	10% (v/v) MPD	7.0	134801-76
77	G5	0.1 M TRIS	10% (v/v) MPD	8.0	134801-77
78	G6	0.1 M BICINE	10% (v/v) MPD	9.0	134801-78
79	G7	0.1 M Citric acid	20% (v/v) MPD	4.0	134801-79
80	G8	0.1 M Sodium acetate	20% (v/v) MPD	5.0	134801-80
81	G9	0.1 M MES	20% (v/v) MPD	6.0	134801-81
82	G10	0.1 M HEPES	20% (v/v) MPD	7.0	134801-82
83	G11	0.1 M TRIS	20% (v/v) MPD	8.0	134801-83
84	G12	0.1 M BICINE	20% (v/v) MPD	9.0	134801-84
85	H1	0.1 M Citric acid	40% (v/v) MPD	4.0	134801-85
86	H2	0.1 M Sodium acetate	40% (v/v) MPD	5.0	134801-86
87	H3	0.1 M MES	40% (v/v) MPD	6.0	134801-87
88	H4	0.1 M HEPES	40% (v/v) MPD	7.0	134801-88
89	H5	0.1 M TRIS	40% (v/v) MPD	8.0	134801-89
90	H6	0.1 M BICINE	40% (v/v) MPD	9.0	134801-90
91	H7	0.1 M Citric acid	65% (v/v) MPD	4.0	134801-91
92	H8	0.1 M Sodium acetate	65% (v/v) MPD	5.0	134801-92
93	H9	0.1 M MES	65% (v/v) MPD	6.0	134801-93
94	H10	0.1 M HEPES	65% (v/v) MPD	7.0	134801-94
95	H11	0.1 M TRIS	65% (v/v) MPD	8.0	134801-95
96	H12	0.1 M BICINE	65% (v/v) MPD	9.0	134801-96



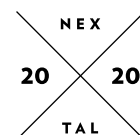
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Other NeXtal Crystallization Screens Available

- 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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NeXtal Biotechnologies

6201 Trust Drive
Holland, OH 43528

P: +1.419.794.7890
F: +1.419.491.1002

W: nextalbiotech.com
E: customerservice@nextalbiotech.com



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