

THE pHCLEAR II SUITE

FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS



The pHClear II 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: Na/K phosphate, sodium malonate
 - Polymers: PEG 6000
 - Organics: Isopropanol

The pHClear II 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 II SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	Final pH	100 ml Refill SKU
1	A1	1.0 M Lithium chloride	0.1 M Citric acid		4.0	134901-01
2	A2	1.0 M Lithium chloride	0.1 M Citric acid		5.0	134901-02
3	A3	1.0 M Lithium chloride	0.1 M MES		6.0	134901-03
4	A4	1.0 M Lithium chloride	0.1 M HEPES		7.0	134901-04
5	A5	1.0 M Lithium chloride	0.1 M TRIS		8.0	134901-05
6	A6	1.0 M Lithium chloride	0.1 M BICINE		9.0	134901-06
7	A7	1.0 M Lithium chloride	0.1 M Citric acid	10% (w/v) PEG 6000	4.0	134901-07
8	A8	1.0 M Lithium chloride	0.1 M Citric acid	10% (w/v) PEG 6000	5.0	134901-08
9	A9	1.0 M Lithium chloride	0.1 M MES	10% (w/v) PEG 6000	6.0	134901-09
10	A10	1.0 M Lithium chloride	0.1 M HEPES	10% (w/v) PEG 6000	7.0	134901-10
11	A11	1.0 M Lithium chloride	0.1 M TRIS	10% (w/v) PEG 6000	8.0	134901-11
12	A12	1.0 M Lithium chloride	0.1 M BICINE	10% (w/v) PEG 6000	9.0	134901-12
13	B1	1.0 M Lithium chloride	0.1 M Citric acid	20% (w/v) PEG 6000	4.0	134901-13
14	B2	1.0 M Lithium chloride	0.1 M Citric acid	20% (w/v) PEG 6000	5.0	134901-14
15	B3	1.0 M Lithium chloride	0.1 M MES	20% (w/v) PEG 6000	6.0	134901-15
16	B4	1.0 M Lithium chloride	0.1 M HEPES	20% (w/v) PEG 6000	7.0	134901-16
17	B5	1.0 M Lithium chloride	0.1 M TRIS	20% (w/v) PEG 6000	8.0	134901-17
18	B6	1.0 M Lithium chloride	0.1 M BICINE	20% (w/v) PEG 6000	9.0	134901-18
19	B7	1.0 M Lithium chloride	0.1 M Citric acid	30% (w/v) PEG 6000	4.0	134901-19
20	B8	1.0 M Lithium chloride	0.1 M Citric acid	30% (w/v) PEG 6000	5.0	134901-20
21	B9	1.0 M Lithium chloride	0.1 M MES	30% (w/v) PEG 6000	6.0	134901-21
22	B10	1.0 M Lithium chloride	0.1 M HEPES	30% (w/v) PEG 6000	7.0	134901-22
23	B11	1.0 M Lithium chloride	0.1 M TRIS	30% (w/v) PEG 6000	8.0	134901-23
24	B12	1.0 M Lithium chloride	0.1 M BICINE	30% (w/v) PEG 6000	9.0	134901-24
25	C1		0.1 M Citric acid	5% (v/v) Isopropanol	4.0	134901-25
26	C2		0.1 M Citric acid	5% (v/v) Isopropanol	5.0	134901-26
27	C3		0.1 M MES	5% (v/v) Isopropanol	6.0	134901-27
28	C4		0.1 M HEPES	5% (v/v) Isopropanol	7.0	134901-28
29	C5		0.1 M TRIS	5% (v/v) Isopropanol	8.0	134901-29
30	C6		0.1 M BICINE	5% (v/v) Isopropanol	9.0	134901-30
31	C7		0.1 M Citric acid	10% (v/v) Isopropanol	4.0	134901-31
32	C8		0.1 M Citric acid	10% (v/v) Isopropanol	5.0	134901-32
33	C9		0.1 M MES	10% (v/v) Isopropanol	6.0	134901-33
34	C10		0.1 M HEPES	10% (v/v) Isopropanol	7.0	134901-34
35	C11		0.1 M TRIS	10% (v/v) Isopropanol	8.0	134901-35
36	C12		0.1 M BICINE	10% (v/v) Isopropanol	9.0	134901-36
37	D1		0.1 M Citric acid	20% (v/v) Isopropanol	4.0	134901-37
38	D2		0.1 M Citric acid	20% (v/v) Isopropanol	5.0	134901-38
39	D3		0.1 M MES	20% (v/v) Isopropanol	6.0	134901-39
40	D4		0.1 M HEPES	20% (v/v) Isopropanol	7.0	134901-40
41	D5		0.1 M TRIS	20% (v/v) Isopropanol	8.0	134901-41
42	D6		0.1 M BICINE	20% (v/v) Isopropanol	9.0	134901-42
43	D7		0.1 M Citric acid	30% (v/v) Isopropanol	4.0	134901-43
44	D8		0.1 M Citric acid	30% (v/v) Isopropanol	5.0	134901-44
45	D9		0.1 M MES	30% (v/v) Isopropanol	6.0	134901-45
46	D10		0.1 M HEPES	30% (v/v) Isopropanol	7.0	134901-46
47	D11		0.1 M TRIS	30% (v/v) Isopropanol	8.0	134901-47
48	D12		0.1 M BICINE	30% (v/v) Isopropanol	9.0	134901-48



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THE PHCLEAR II SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	Final pH	100 ml Refill SKU
49	E1			0.8 M Na/K phosphate	5.0	134901-49
50	E2			0.8 M Na/K phosphate	5.6	134901-50
51	E3			0.8 M Na/K phosphate	6.3	134901-51
52	E4			0.8 M Na/K phosphate	6.9	134901-52
53	E5			0.8 M Na/K phosphate	7.5	134901-53
54	E6			0.8 M Na/K phosphate	8.2	134901-54
55	E7			1.0 M Na/K phosphate	5.0	134901-55
56	E8			1.0 M Na/K phosphate	5.6	134901-56
57	E9			1.0 M Na/K phosphate	6.3	134901-57
58	E10			1.0 M Na/K phosphate	6.9	134901-58
59	E11			1.0 M Na/K phosphate	7.5	134901-59
60	E12			1.0 M Na/K phosphate	8.2	134901-60
61	F1			1.4 M Na/K phosphate	5.0	134901-61
62	F2			1.4 M Na/K phosphate	5.6	134901-62
63	F3			1.4 M Na/K phosphate	6.3	134901-63
64	F4			1.4 M Na/K phosphate	6.9	134901-64
65	F5			1.4 M Na/K phosphate	7.5	134901-65
66	F6			1.4 M Na/K phosphate	8.2	134901-66
67	F7			1.8 M Na/K phosphate	5.0	134901-67
68	F8			1.8 M Na/K phosphate	5.6	134901-68
69	F9			1.8 M Na/K phosphate	6.3	134901-69
70	F10			1.8 M Na/K phosphate	6.9	134901-70
71	F11			1.8 M Na/K phosphate	7.5	134901-71
72	F12			1.8 M Na/K phosphate	8.2	134901-72
73	G1			1.0 M Sodium malonate	4.0	134901-73
74	G2			1.5 M Sodium malonate	4.0	134901-74
75	G3			1.9 M Sodium malonate	4.0	134901-75
76	G4			2.4 M Sodium malonate	4.0	134901-76
77	G5			2.9 M Sodium malonate	4.0	134901-77
78	G6			3.4 M Sodium malonate	4.0	134901-78
79	G7			1.0 M Sodium malonate	5.0	134901-79
80	G8			1.5 M Sodium malonate	5.0	134901-80
81	G9			1.9 M Sodium malonate	5.0	134901-81
82	G10			2.4 M Sodium malonate	5.0	134901-82
83	G11			2.9 M Sodium malonate	5.0	134901-83
84	G12			3.4 M Sodium malonate	5.0	134901-84
85	H1			1.0 M Sodium malonate	6.0	134901-85
86	H2			1.5 M Sodium malonate	6.0	134901-86
87	H3			1.9 M Sodium malonate	6.0	134901-87
88	H4			2.4 M Sodium malonate	6.0	134901-88
89	H5			2.9 M Sodium malonate	6.0	134901-89
90	H6			3.4 M Sodium malonate	6.0	134901-90
91	H7			1.0 M Sodium malonate	7.0	134901-91
92	H8			1.5 M Sodium malonate	7.0	134901-92
93	H9			1.9 M Sodium malonate	7.0	134901-93
94	H10			2.4 M Sodium malonate	7.0	134901-94
95	H11			2.9 M Sodium malonate	7.0	134901-95
96	H12			3.4 M Sodium malonate	7.0	134901-96



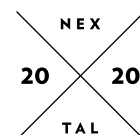
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Other NeXtal Crystallization Screens Available

- 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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