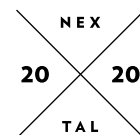


# *THE PEGS II SUITE*

**FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS**



## **The PEGs II Suite provides:**

- A ready-to-use kit format to which only protein needs to be added, for easy and fast screening
- 96 precisely defined chemical solutions containing polyethylene glycol polymers as precipitant
- Solutions with polyethylene glycol of different molecular weight
- The promotion of protein-protein interactions through molecular crowding

The PEGs 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**



**NeXtal**

## THE PEGS II SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	100 ml Refill SKU
1	A1	0.1 M Calcium chloride	0.1 M Sodium acetate pH 4.6	15% (w/v) PEG 400	135501-1
2	A2		0.1 M MES pH 6.5	15% (w/v) PEG 400	135501-2
3	A3	0.2 M Magnesium chloride	0.1 M HEPES pH 7.5	15% (w/v) PEG 400	135501-3
4	A4	0.2 M tri-Sodium citrate	0.1 M TRIS pH 8.5	15% (w/v) PEG 400	135501-4
5	A5	0.1 M Magnesium chloride	0.1 M Sodium acetate pH 4.6	25% (w/v) PEG 400	135501-5
6	A6	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	25% (w/v) PEG 400	135501-6
7	A7	0.2 M Calcium chloride	0.1 M HEPES pH 7.5	28% (w/v) PEG 400	135501-7
8	A8	0.1 M Calcium chloride	0.1 M Sodium acetate pH 4.6	30% (w/v) PEG 400	135501-8
9	A9	0.1 M Sodium acetate	0.1 M MES pH 6.5	30% (w/v) PEG 400	135501-9
10	A10	0.1 M Magnesium chloride	0.1 M MES pH 6.5	30% (w/v) PEG 400	135501-10
11	A11	0.2 M Magnesium chloride	0.1 M HEPES pH 7.5	30% (w/v) PEG 400	135501-11
12	A12	0.2 M tri-Sodium citrate	0.1 M TRIS pH 8.5	30% (w/v) PEG 400	135501-12
13	B1	0.1 M Sodium chloride	0.1 M BICINE pH 9.0	30% (w/v) PEG 550 MME	135501-13
14	B2	0.01 M Zinc sulfate	0.1 M MES pH 6.5	25% (w/v) PEG 550 MME	135501-14
15	B3		0.1 M HEPES pH 7.5	25% (w/v) PEG 1000	135501-15
16	B4		0.1 M TRIS pH 8.5	30% (w/v) PEG 1000	135501-16
17	B5			15% (w/v) PEG 1500	135501-17
18	B6		0.1 M HEPES pH 7.5	20% (w/v) PEG 1500	135501-18
19	B7			30% (w/v) PEG 1500	135501-19
20	B8	0.01 M Nickel chloride	0.1 M TRIS pH 8.5	20% (w/v) PEG 2000 MME	135501-20
21	B9			25% (w/v) PEG 2000 MME	135501-21
22	B10	0.1 M Sodium acetate	0.1 M MES pH 6.5	30% (w/v) PEG 2000 MME	135501-22
23	B11	0.2 M Sodium acetate	0.1 M HEPES pH 7.5	20% (w/v) PEG 3000	135501-23
24	B12	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	30% (w/v) PEG 3000	135501-24
25	C1		0.1 M Sodium acetate pH 4.6	4% (w/v) PEG 4000	135501-25
26	C2			8% (w/v) PEG 4000	135501-26
27	C3		0.1 M Sodium acetate pH 4.6	8% (w/v) PEG 4000	135501-27
28	C4	0.2 M Magnesium chloride	0.1 M MES pH 6.5	10% (w/v) PEG 4000	135501-28
29	C5	0.1 M Sodium acetate	0.1 M HEPES pH 7.5	12% (w/v) PEG 4000	135501-29
30	C6		0.1 M TRIS pH 8.5	12% (w/v) PEG 4000	135501-30
31	C7	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	16% (w/v) PEG 4000	135501-31
32	C8	0.2 M Sodium acetate	0.1 M TRIS pH 8.5	16% (w/v) PEG 4000	135501-32
33	C9	0.2 M Magnesium chloride	0.1 M TRIS pH 8.5	16% (w/v) PEG 4000	135501-33
34	C10		0.1 M Sodium acetate pH 4.6	18% (w/v) PEG 4000	135501-34
35	C11	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	20% (w/v) PEG 4000	135501-35
36	C12	0.2 M Calcium chloride	0.1 M TRIS pH 8.5	20% (w/v) PEG 4000	135501-36
37	D1	0.1 M Sodium acetate	0.1 M HEPES pH 7.5	22% (w/v) PEG 4000	135501-37
38	D2		0.1 M Sodium acetate pH 4.6	25% (w/v) PEG 4000	135501-38
39	D3	0.2 M Magnesium chloride	0.1 M MES pH 6.5	25% (w/v) PEG 4000	135501-39
40	D4	0.2 M Calcium chloride	0.1 M TRIS pH 8.5	25% (w/v) PEG 4000	135501-40
41	D5			30% (w/v) PEG 4000	135501-41
42	D6	0.1 M Magnesium chloride	0.1 M Sodium acetate pH 4.6	30% (w/v) PEG 4000	135501-42
43	D7		0.1 M MES pH 6.5	30% (w/v) PEG 4000	135501-43
44	D8	0.2 M Calcium chloride	0.1 M HEPES pH 7.5	30% (w/v) PEG 4000	135501-44
45	D9	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	30% (w/v) PEG 4000	135501-45
46	D10	0.2 M Sodium acetate	0.1 M TRIS pH 8.5	30% (w/v) PEG 4000	135501-46
47	D11	0.2 M Magnesium chloride	0.1 M TRIS pH 8.5	30% (w/v) PEG 4000	135501-47
48	D12			35% (w/v) PEG 4000	135501-48



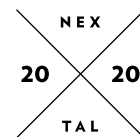
## THE PEGS II SUITE COMPOSITION TABLE

#	Well	Salt	Buffer	Precipitant	100 ml Refill SKU
49	E1		0.1 M TRIS pH 8.5	8% (w/v) PEG 4000; 0.8 M Lithium chloride	135501-49
50	E2			10% (w/v) PEG 4000; 20% (w/v) Isopropanol	135501-50
51	E3		0.1 M tri-Sodium citrate pH 5.6	10% (w/v) PEG 4000; 10% (w/v) Isopropanol	135501-51
52	E4		0.1 M HEPES pH 7.5	10% (w/v) PEG 4000; 5% (w/v) Isopropanol	135501-52
53	E5		0.1 M HEPES pH 7.5	10% (w/v) PEG 4000; 20% (w/v) Isopropanol	135501-53
54	E6	0.2 M Ammonium sulfate	0.1 M Sodium acetate pH 4.6	12% (w/v) PEG 4000	135501-54
55	E7	0.2 M Ammonium sulfate		15% (w/v) PEG 4000	135501-55
56	E8	0.2 M Ammonium sulfate	0.1 M tri-Sodium citrate pH 5.6	15% (w/v) PEG 4000	135501-56
57	E9	0.2 M Ammonium sulfate	0.1 M HEPES pH 7.5	16% (w/v) PEG 4000; 10% (w/v) Isopropanol	135501-57
58	E10	0.2 M Ammonium sulfate		20% (w/v) PEG 4000	135501-58
59	E11	0.2 M Magnesium sulfate		20% (w/v) PEG 4000; 10% (w/v) Glycerol	135501-59
60	E12	0.1 M tri-Sodium citrate		20% (w/v) PEG 4000; 5% (w/v) Isopropanol	135501-60
61	F1	0.1 M tri-Sodium citrate		20% (w/v) PEG 4000; 20% (w/v) Isopropanol	135501-61
62	F2		0.1 M MES pH 6.5	20% (w/v) PEG 4000; 0.6 M Sodium chloride	135501-62
63	F3		0.1 M HEPES pH 7.5	20% (w/v) PEG 4000; 10% (w/v) Isopropanol	135501-63
64	F4	0.2 M Ammonium sulfate; 0.1 M Sodium acetate		22% (w/v) PEG 4000	135501-64
65	F5	0.2 M Ammonium sulfate	0.1 M Sodium acetate pH 4.6	25% (w/v) PEG 4000	135501-65
66	F6	0.2 M Ammonium sulfate	0.1 M tri-Sodium citrate pH 5.6	25% (w/v) PEG 4000	135501-66
67	F7	0.2 M Lithium sulfate; 0.1 M Sodium acetate	0.1 M HEPES pH 7.5	25% (w/v) PEG 4000	135501-67
68	F8	0.1 M Sodium acetate		25% (w/v) PEG 4000; 8% (w/v) Isopropanol	135501-68
69	F9	0.2 M Ammonium sulfate		30% (w/v) PEG 4000	135501-69
70	F10	0.2 M Ammonium sulfate	0.1 M Sodium acetate pH 4.6	30% (w/v) PEG 4000	135501-70
71	F11	0.2 M Ammonium sulfate	0.1 M Sodium acetate-acetate pH 5.6	30% (w/v) PEG 4000	135501-71
72	F12		0.1 M TRIS pH 8.5	32% (w/v) PEG 4000; 0.8 M Lithium chloride	135501-72
73	G1	0.2 M Lithium sulfate	0.1 M TRIS pH 8.5	25% (w/v) PEG 5000 MME	135501-73
74	G2	0.2 M Ammonium sulfate	0.1 M MES pH 6.5	30% (w/v) PEG 5000 MME	135501-74
75	G3	0.1 M Potassium chloride	0.1 M TRIS pH 8.5	3% (w/v) PEG 6000	135501-75
76	G4	0.01 M Magnesium chloride		10% (w/v) PEG 6000	135501-76
77	G5	2.0 M Sodium chloride		12% (w/v) PEG 6000	135501-77
78	G6			15% (w/v) PEG 6000; 5% (w/v) Glycerol	135501-78
79	G7	0.05 M Potassium chloride; 0.01 M Magnesium chloride		15% (w/v) PEG 6000	135501-79
80	G8	0.01 M tri-Sodium citrate		16% (w/v) PEG 6000	135501-80
81	G9		0.05 M Imidazole pH 8.0	20% (w/v) PEG 6000	135501-81
82	G10	0.1 M Lithium chloride	0.1 M HEPES pH 7.5	25% (w/v) PEG 6000	135501-82
83	G11	0.5 M Lithium chloride	0.1 M TRIS pH 8.5	28% (w/v) PEG 6000	135501-83
84	G12	1.0 M Lithium chloride; 0.1 M Sodium acetate		30% (w/v) PEG 6000	135501-84
85	H1	0.01 M tri-Sodium citrate		33% (w/v) PEG 6000	135501-85
86	H2	0.5 M Lithium sulfate		2% (w/v) PEG 8000	135501-86
87	H3	1.0 M Lithium sulfate		2% (w/v) PEG 8000	135501-87
88	H4			4% (w/v) PEG 8000	135501-88
89	H5	0.2 M Lithium chloride; 0.05 M Magnesium sulfate		8% (w/v) PEG 8000	135501-89
90	H6		0.1 M TRIS pH 8.5	8% (w/v) PEG 8000	135501-90
91	H7	0.2 M Zinc acetate	0.1 M Imidazole pH 6.5	10% (w/v) PEG 8000	135501-91
92	H8	0.2 M Calcium acetate	0.1 M HEPES pH 7.5	10% (w/v) PEG 8000	135501-92
93	H9	0.05 M Magnesium acetate; 0.1 M Sodium acetate		10% (w/v) PEG 8000	135501-93
94	H10	0.2 M Magnesium acetate		10% (w/v) PEG 8000	135501-94
95	H11		0.1 M HEPES pH 7.5	10% (w/v) PEG 8000; 10% (w/v) Ethylene Glycol	135501-95
96	H12			10% (w/v) PEG 8000; 10% (w/v) PEG 1000	135501-96



## Other NeXtal Crystallization Screens Available

- The Classics Suite
- The Classics Lite Suite
- The Classics II Suite
- The Cryos Suite
- The PEGs Suite
- The AmSO<sub>4</sub> 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
- The JCSG+ Suite
- The JCSG Core I-IV Suites
- The Opti-Salts Suite



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

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