

THE ANIONS SUITE

FOR SCREENING OF PROTEIN CRYSTALLIZATION CONDITIONS



The Anions 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 various salts at two concentrations and four different pH values
- Salts as precipitant for protein crystallization
- The different solutions in a mini-grid format to easily view trends for each different salt and pH concentration

The Anions 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 ANIONS SUITE COMPOSITION TABLE

#	Well	Buffer	Precipitant	100 ml Refill SKU
1	A1	0.1 M Sodium acetate pH 4.6	2.5 M Sodium acetate	134601-1
2	A2	0.1 M Sodium acetate pH 4.6	1.25 M Sodium acetate	134601-2
3	A3	0.1 M Sodium acetate pH 4.6	1.2 M tri-Sodium citrate	134601-3
4	A4	0.1 M Sodium acetate pH 4.6	0.6 M tri-Sodium citrate	134601-4
5	A5	0.1 M Sodium acetate pH 4.6	0.6 M Sodium fluoride	134601-5
6	A6	0.1 M Sodium acetate pH 4.6	0.3 M Sodium fluoride	134601-6
7	A7	0.1 M MES pH 6.5	2.5 M Sodium acetate	134601-7
8	A8	0.1 M MES pH 6.5	1.25 M Sodium acetate	134601-8
9	A9	0.1 M MES pH 6.5	1.2 M tri-Sodium citrate	134601-9
10	A10	0.1 M MES pH 6.5	0.6 M tri-Sodium citrate	134601-10
11	A11	0.1 M MES pH 6.5	0.6 M Sodium fluoride	134601-11
12	A12	0.1 M MES pH 6.5	0.3 M Sodium fluoride	134601-12
13	B1	0.1 M HEPES pH 7.5	2.5 M Sodium acetate	134601-13
14	B2	0.1 M HEPES pH 7.5	1.25 M Sodium acetate	134601-14
15	B3	0.1 M HEPES pH 7.5	1.2 M tri-Sodium citrate	134601-15
16	B4	0.1 M HEPES pH 7.5	0.6 M tri-Sodium citrate	134601-16
17	B5	0.1 M HEPES pH 7.5	0.6 M Sodium fluoride	134601-17
18	B6	0.1 M HEPES pH 7.5	0.3 M Sodium fluoride	134601-18
19	B7	0.1 M TrisHCl pH 8.5	2.5 M Sodium acetate	134601-19
20	B8	0.1 M TrisHCl pH 8.5	1.25 M Sodium acetate	134601-20
21	B9	0.1 M TrisHCl pH 8.5	1.2 M tri-Sodium citrate	134601-21
22	B10	0.1 M TrisHCl pH 8.5	0.6 M tri-Sodium citrate	134601-22
23	B11	0.1 M TrisHCl pH 8.5	0.6 M Sodium fluoride	134601-23
24	B12	0.1 M TrisHCl pH 8.5	0.3 M Sodium fluoride	134601-24
25	C1	0.1 M Sodium acetate pH 4.6	3.5 M Sodium formate	134601-25
26	C2	0.1 M Sodium acetate pH 4.6	1.75 M Sodium formate	134601-26
27	C3	0.1 M Sodium acetate pH 4.6	3.5 M Sodium bromide	134601-27
28	C4	0.1 M Sodium acetate pH 4.6	1.75 M Sodium bromide	134601-28
29	C5	0.1 M Sodium acetate pH 4.6	2.4 M Sodium malonate	134601-29
30	C6	0.1 M Sodium acetate pH 4.6	1.2 M Sodium malonate	134601-30
31	C7	0.1 M MES pH 6.5	3.5 M Sodium formate	134601-31
32	C8	0.1 M MES pH 6.5	1.75 M Sodium formate	134601-32
33	C9	0.1 M MES pH 6.5	3.5 M Sodium bromide	134601-33
34	C10	0.1 M MES pH 6.5	1.75 M Sodium bromide	134601-34
35	C11	0.1 M MES pH 6.5	2.4 M Sodium malonate	134601-35
36	C12	0.1 M MES pH 6.5	1.2 M Sodium malonate	134601-36
37	D1	0.1 M HEPES pH 7.5	3.5 M Sodium formate	134601-37
38	D2	0.1 M HEPES pH 7.5	1.75 M Sodium formate	134601-38
39	D3	0.1 M HEPES pH 7.5	3.5 M Sodium bromide	134601-39
40	D4	0.1 M HEPES pH 7.5	1.75 M Sodium bromide	134601-40
41	D5	0.1 M HEPES pH 7.5	2.4 M Sodium malonate	134601-41
42	D6	0.1 M HEPES pH 7.5	1.2 M Sodium malonate	134601-42
43	D7	0.1 M TrisHCl pH 8.5	3.5 M Sodium formate	134601-43
44	D8	0.1 M TrisHCl pH 8.5	1.75 M Sodium formate	134601-44
45	D9	0.1 M TrisHCl pH 8.5	3.5 M Sodium bromide	134601-45
46	D10	0.1 M TrisHCl pH 8.5	1.75 M Sodium bromide	134601-46
47	D11	0.1 M TrisHCl pH 8.5	2.4 M Sodium malonate	134601-47
48	D12	0.1 M TrisHCl pH 8.5	1.2 M Sodium malonate	134601-48



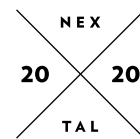
THE ANIONS SUITE COMPOSITION TABLE

#	Well	Buffer	Precipitant	100 ml Refill SKU
49	E1	0.1 M Sodium acetate pH 4.6	3.5 M Sodium nitrate	134601-49
50	E2	0.1 M Sodium acetate pH 4.6	1.75 M Sodium nitrate	134601-50
51	E3	0.1 M Sodium acetate pH 4.6	0.9 M Sodium phosphate, 0.9 Potassium phosphate	134601-51
52	E4	0.1 M Sodium acetate pH 4.6	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134601-52
53	E5	0.1 M Sodium acetate pH 4.6	1.0 M Sodium succinate	134601-53
54	E6	0.1 M Sodium acetate pH 4.6	0.5 M Sodium succinate	134601-54
55	E7	0.1 M MES pH 6.5	3.5 M Sodium nitrate	134601-55
56	E8	0.1 M MES pH 6.5	1.75 M Sodium nitrate	134601-56
57	E9	0.1 M MES pH 6.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134601-57
58	E10	0.1 M MES pH 6.5	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134601-58
59	E11	0.1 M MES pH 6.5	1.0 M Sodium succinate	134601-59
60	E12	0.1 M MES pH 6.5	0.5 M Sodium succinate	134601-60
61	F1	0.1 M HEPES pH 7.5	3.5 M Sodium nitrate	134601-61
62	F2	0.1 M HEPES pH 7.5	1.75 M Sodium nitrate	134601-62
63	F3	0.1 M HEPES pH 7.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134601-63
64	F4	0.1 M HEPES pH 7.5	0.45 M Sodium phosphate 0.45 Potassium phosphate	134601-64
65	F5	0.1 M HEPES pH 7.5	1.0 M Sodium succinate	134601-65
66	F6	0.1 M HEPES pH 7.5	0.5 M Sodium succinate	134601-66
67	F7	0.1 M TrisHCl pH 8.5	3.5 M Sodium nitrate	134601-67
68	F8	0.1 M TrisHCl pH 8.5	1.75 M Sodium nitrate	134601-68
69	F9	0.1 M TrisHCl pH 8.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134601-69
70	F10	0.1 M TrisHCl pH 8.5	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134601-70
71	F11	0.1 M TrisHCl pH 8.5	1.0 M Sodium succinate	134601-71
72	F12	0.1 M TrisHCl pH 8.5	0.5 M Sodium succinate	134601-72
73	G1	0.1 M Sodium acetate pH 4.6	0.75 M Sodium sulfate	134601-73
74	G2	0.1 M Sodium acetate pH 4.6	0.37 M Sodium sulfate	134601-74
75	G3	0.1 M Sodium tartrate pH 5.6	1.2 M K/Na tartrate	134601-75
76	G4	0.1 M Sodium tartrate pH 5.6	0.6 M K/Na tartrate	134601-76
77	G5	0.1 M Sodium acetate pH 4.6	2.4 M Sodium thiocyanate	134601-77
78	G6	0.1 M Sodium acetate pH 4.6	1.2 M Sodium thiocyanate	134601-78
79	G7	0.1 M MES pH 6.5	0.75 M Sodium sulfate	134601-79
80	G8	0.1 M MES pH 6.5	0.37 M Sodium sulfate	134601-80
81	G9	0.1 M MES pH 6.5	1.2 M K/Na tartrate	134601-81
82	G10	0.1 M MES pH 6.5	0.6 M K/Na tartrate	134601-82
83	G11	0.1 M MES pH 6.5	2.4 M Sodium thiocyanate	134601-83
84	G12	0.1 M MES pH 6.5	1.2 M Sodium thiocyanate	134601-84
85	H1	0.1 M HEPES pH 7.5	0.75 M Sodium sulfate	134601-85
86	H2	0.1 M HEPES pH 7.5	0.37 M Sodium sulfate	134601-86
87	H3	0.1 M HEPES pH 7.5	1.2 M K/Na tartrate	134601-87
88	H4	0.1 M HEPES pH 7.5	0.6 M K/Na tartrate	134601-88
89	H5	0.1 M HEPES pH 7.5	2.4 M Sodium thiocyanate	134601-89
90	H6	0.1 M HEPES pH 7.5	1.2 M Sodium thiocyanate	134601-90
91	H7	0.1 M TrisHCl pH 8.5	0.75 M Sodium sulfate	134601-91
92	H8	0.1 M TrisHCl pH 8.5	0.37 M Sodium sulfate	134601-92
93	H9	0.1 M TrisHCl pH 8.5	1.2 M K/Na tartrate	134601-93
94	H10	0.1 M TrisHCl pH 8.5	0.6 M K/Na tartrate	134601-94
95	H11	0.1 M TrisHCl pH 8.5	2.4 M Sodium thiocyanate	134601-95
96	H12	0.1 M TrisHCl pH 8.5	1.2 M Sodium thiocyanate	134601-96



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
- The JCSG+ Suite
- The JCSG Core I-IV Suites
- The Opti-Salts Suite



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

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