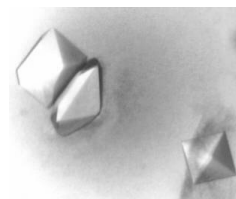


The Classics II Suite

For screening of protein crystallization conditions



The Classics II Suite provides:

- Ready-to-use pre-filled kits and bulk formats containing 96 screening solutions
- Ideal conditions for an initial screening to define crystallization conditions of a new protein
- A combination of sparse matrix and ionic sampling screening strategies
- Classic conditions with new reagent systems such as:
 - Neutralized organic acids, which have been proven to be highly effective crystallization reagents
 - High concentrations of salt combined with low concentrations of polymers

The Classics II Suite is available in a wide range of formats to suit all scales and throughputs.

EasyXtal Refill-Hit Solutions can be used to develop grids around the original hit conditions. An overview of the composition of the 96 solutions together with an order number for the corresponding Refill-Hit Solution can be found on pages 2 and 3. The location of each Refill-Hit Solution number is given in the diagram below.

Location of Refill-Hit Solutions in 24-Well and 96-Well Plate Formats

	1	2	3	4	5	6
A	1	2	3	4	5	6
B	7	8	9	10	11	12
C	13	14	15	16	17	18
D	19	20	21	22	23	24

24-well plate 1 of 4

	1	2	3	4	5	6
A	25	26	27	28	29	30
B	31	32	33	34	35	36
C	37	38	39	40	41	42
D	43	44	45	46	47	48

24-well plate 2 of 4

	1	2	3	4	5	6
A	49	50	51	52	53	54
B	55	56	57	58	59	60
C	61	62	63	64	65	66
D	67	68	69	70	71	72

24-well plate 3 of 4

	1	2	3	4	5	6
A	73	74	75	76	77	78
B	79	80	81	82	83	84
C	85	86	87	88	89	90
D	91	92	93	94	95	96

24-well plate 4 of 4

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	2	3	4	5	6	7	8	9	10	11	12
B	13	14	15	16	17	18	19	20	21	22	23	24
C	25	26	27	28	29	30	31	32	33	34	35	36
D	37	38	39	40	41	42	43	44	45	46	47	48
E	49	50	51	52	53	54	55	56	57	58	59	60
F	61	62	63	64	65	66	67	68	69	70	71	72
G	73	74	75	76	77	78	79	80	81	82	83	84
H	85	86	87	88	89	90	91	92	93	94	95	96

96-well plate



The Classics II Suite Composition Table

Number	Salt	Buffer	Precipitant	Cat. no. (Refill-Hit Solution, 4 x 12.5 ml tubes)
1		0.1 M Citric acid pH 3.5	2 M Ammonium sulfate	136101
2		0.1 M Sodium acetate pH 4.5	2 M Ammonium sulfate	136102
3		0.1 M Bis-Tris pH 5.5	2 M Ammonium sulfate	136103
4		0.1 M Bis-Tris pH 6.5	2 M Ammonium sulfate	136104
5		0.1 M HEPES pH 7.5	2 M Ammonium sulfate	136105
6		0.1 M Tris pH 8.5	2 M Ammonium sulfate	136106
7		0.1 M Citric acid pH 3.5	3 M Sodium chloride	136107
8		0.1 M Sodium acetate pH 4.5	3 M Sodium chloride	136108
9		0.1 M Bis-Tris pH 5.5	3 M Sodium chloride	136109
10		0.1 M Bis-Tris pH 6.5	3 M Sodium chloride	136110
11		0.1 M HEPES pH 7.5	3 M Sodium chloride	136111
12		0.1 M Tris pH 8.5	3 M Sodium chloride	136112
13	0.3 M Magnesium formate	0.1 M Bis-Tris pH 5.5		136113
14	0.5 M Magnesium formate	0.1 M Bis-Tris pH 6.5		136114
15	0.5 M Magnesium formate	0.1 M HEPES pH 7.5		136115
16	0.3 M Magnesium formate	0.1 M Tris pH 8.5		136116
17	1.26 M Sodium phosphate; 0.14 M Potassium phosphate			136117
18	0.49 M Sodium phosphate; 0.91 M Potassium phosphate			136118
19	0.056 M Sodium phosphate; 1.344 M Potassium phosphate			136119
20		0.1 M HEPES pH 7.5	1.4 M Sodium citrate	136120
21		1.8 M Ammonium citrate pH 7.0		136121
22		0.8 M Succinic acid pH 7.0		136122
23		2.1 M DL-Malic acid pH 7.0		136123
24		2.8 M Sodium acetate pH 7.0		136124
25		3.5 M Sodium formate pH 7.0		136125
26		1.1 M Ammonium tartrate pH 7.0		136126
27		2.4 M Sodium malonate pH 7.0		136127
28		0.56 M Sodium citrate pH 7.0		136128
29		0.96 M Sodium citrate pH 7.0		136129
30	0.1 M Sodium chloride	0.1 M Bis-Tris pH 6.5	1.5 M Ammonium sulfate	136130
31	0.8 M Sodium/Potassium tartrate	0.1 M Tris pH 8.5	0.5% (w/v) PEG 5000 MME	136131
32	1 M Ammonium sulfate	0.1 M Bis-Tris pH 5.5	1% (w/v) PEG 3350	136132
33	1.1 M Sodium malonate	0.1 M HEPES pH 7.0	0.5% (v/v) Jeffamine ED-2001	136133
34	1 M Succinic acid	0.1 M HEPES pH 7.0	1% (w/v) PEG 2000 MME	136134
35	1 M Ammonium sulfate	0.1 M HEPES pH 7.0	0.5% (w/v) PEG 8000	136135
36	0.191 M Sodium citrate pH 7.0	0.1 M HEPES pH 7.0	2% (w/v) PEG 3350	136136
37			25% (w/v) PEG 1500	136137
38		0.1 M HEPES pH 7.0	30% (v/v) Jeffamine M-600	136138
39		0.1 M HEPES pH 7.0	30% (v/v) Jeffamine ED-2001	136139
40		0.1 M Citric acid pH 3.5	25% (w/v) PEG 3350	136140
41		0.1 M Sodium acetate pH 4.5	25% (w/v) PEG 3350	136141
42		0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136142
43		0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136143
44		0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136144
45		0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136145
46		0.1 M Bis-Tris pH 6.5	20% (w/v) PEG 5000 MME	136146
47		0.1 M Bis-Tris pH 6.5	28% (w/v) PEG 2000 MME	136147
48	0.2 M Calcium chloride	0.1 M Bis-Tris pH 5.5	45% (v/v) MPD	136148

The Classics II Suite Composition Table

Number	Salt	Buffer	Precipitant	Cat. no. (Refill-Hit Solution, 4 x 12.5 ml tubes)
49	0.2 M Calcium chloride	0.1 M Bis-Tris pH 6.5	45% (v/v) MPD	136149
50	0.2 M Ammonium acetate	0.1 M Bis-Tris pH 5.5	45% (v/v) MPD	136150
51	0.2 M Ammonium acetate	0.1 M Bis-Tris pH 6.5	45% (v/v) MPD	136151
52	0.2 M Ammonium acetate	0.1 M HEPES pH 7.5	45% (v/v) MPD	136152
53	0.2 M Ammonium acetate	0.1 M Tris pH 8.5	45% (v/v) MPD	136153
54	0.05 M Calcium chloride	0.1 M Bis-Tris pH 6.5	30% (v/v) PEG 550 MME	136154
55	0.05 M Magnesium chloride	0.1 M HEPES pH 7.5	30% (v/v) PEG 550 MME	136155
56	0.2 M Potassium chloride	0.05 M HEPES pH 7.5	35% (v/v) Pentaerythritol propoxylate	136156
57	0.05 M Ammonium sulfate	0.05 M Bis-Tris pH 6.5	30% (v/v) Pentaerythritol ethoxylate	136157
58		0.1 M Bis-Tris pH 6.5	45% (v/v) PEG P 400	136158
59	0.02 M Magnesium chloride	0.1 M HEPES pH 7.5	22% (w/v) Sodium Polyacrylate 5100	136159
60	0.01 M Cobalt (II) chloride	0.1 M Tris pH 8.5	20% (w/v) PVP K15	136160
61	0.2 M L-Proline	0.1 M HEPES pH 7.5	10% (w/v) PEG 3350	136161
62	0.2 M Trimethylamine N-oxide	0.1 M Tris pH 8.5	20% (w/v) PEG 2000 MME	136162
63	0.064 M Sodium citrate pH 7.0	0.1 M HEPES pH 7.0	10% (w/v) PEG 5000 MME	136163
64	0.005 M Magnesium chloride; 0.005 M Cobalt chloride; 0.005 M Nickel chloride; 0.005 M Cadmium chloride	0.1 M HEPES pH 7.5	12% (w/v) PEG 3350	136164
65	0.1 M Ammonium acetate	0.1 M Bis-Tris pH 5.5	17% (w/v) PEG 10000	136165
66	0.2 M Ammonium sulfate	0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136166
67	0.2 M Ammonium sulfate	0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136167
68	0.2 M Ammonium sulfate	0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136168
69	0.2 M Ammonium sulfate	0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136169
70	0.2 M Sodium chloride	0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136170
71	0.2 M Sodium chloride	0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136171
72	0.2 M Sodium chloride	0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136172
73	0.2 M Sodium chloride	0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136173
74	0.2 M Lithium sulfate	0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136174
75	0.2 M Lithium sulfate	0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136175
76	0.2 M Lithium sulfate	0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136176
77	0.2 M Lithium sulfate	0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136177
78	0.2 M Ammonium acetate	0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136178
79	0.2 M Ammonium acetate	0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136179
80	0.2 M Ammonium acetate	0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136180
81	0.2 M Ammonium acetate	0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136181
82	0.2 M Magnesium chloride	0.1 M Bis-Tris pH 5.5	25% (w/v) PEG 3350	136182
83	0.2 M Magnesium chloride	0.1 M Bis-Tris pH 6.5	25% (w/v) PEG 3350	136183
84	0.2 M Magnesium chloride	0.1 M HEPES pH 7.5	25% (w/v) PEG 3350	136184
85	0.2 M Magnesium chloride	0.1 M Tris pH 8.5	25% (w/v) PEG 3350	136185
86	0.2 M Potassium Sodium tartrate		20% (w/v) PEG 3350	136186
87		0.24 M Sodium malonate pH 7.0	20% (w/v) PEG 3350	136187
88		0.2 M Ammonium citrate pH 7.0	20% (w/v) PEG 3350	136188
89		0.1 M Succinic acid pH 7.0	15% (w/v) PEG 3350	136189
90	0.2 M Sodium formate		20% (w/v) PEG 3350	136190
91		0.15 M DL-Malic acid pH 7.0	20% (w/v) PEG 3350	136191
92	0.1 M Magnesium formate		15% (w/v) PEG 3350	136192
93	0.05 M Zinc acetate		20% (w/v) PEG 3350	136193
94	0.2 M Sodium citrate		20% (w/v) PEG 3350	136194
95	0.1 M Potassium thiocyanate		30% (w/v) PEG 2000 MME	136195
96	0.15 M Potassium bromide		30% (w/v) PEG 2000 MME	136196

Protein Crystallization Suites and Formats

	EasyXtal Microplate	NeXtal Deep- Well Block	EasyXtal DG Tool X-Seal	NeXtal Tubes
The Classics Suite		■	■	■
The Classics Lite Suite		■	■	■
The Classics II Suite		■	■	■
The Cryos Suite		■	■	■
The PEGs Suite		■	■	■
The AmSO ₄ 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	■	■	■	
Pre-Screen Assay			■	

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