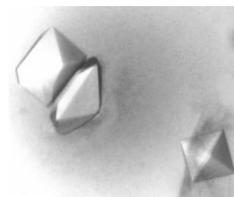


The Anions Suite

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 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 Anions Suite Composition Table

Number	Buffer	Precipitant	Cat. no. (Refill-Hit Solution, 4 x 12.5 ml tubes)
1	0.1 M Sodium acetate pH 4.6	2.5 M Sodium acetate	134601
2	0.1 M Sodium acetate pH 4.6	1.25 M Sodium acetate	134602
3	0.1 M Sodium acetate pH 4.6	1.2 M tri-Sodium citrate	134603
4	0.1 M Sodium acetate pH 4.6	0.6 M tri-Sodium citrate	134604
5	0.1 M Sodium acetate pH 4.6	0.6 M Sodium fluoride	134605
6	0.1 M Sodium acetate pH 4.6	0.3 M Sodium fluoride	134606
7	0.1 M MES pH 6.5	2.5 M Sodium acetate	134607
8	0.1 M MES pH 6.5	1.25 M Sodium acetate	134608
9	0.1 M MES pH 6.5	1.2 M tri-Sodium citrate	134609
10	0.1 M MES pH 6.5	0.6 M tri-Sodium citrate	134610
11	0.1 M MES pH 6.5	0.6 M Sodium fluoride	134611
12	0.1 M MES pH 6.5	0.3 M Sodium fluoride	134612
13	0.1 M HEPES pH 7.5	2.5 M Sodium acetate	134613
14	0.1 M HEPES pH 7.5	1.25 M Sodium acetate	134614
15	0.1 M HEPES pH 7.5	1.2 M tri-Sodium citrate	134615
16	0.1 M HEPES pH 7.5	0.6 M tri-Sodium citrate	134616
17	0.1 M HEPES pH 7.5	0.6 M Sodium fluoride	134617
18	0.1 M HEPES pH 7.5	0.3 M Sodium fluoride	134618
19	0.1 M Tris-HCl pH 8.5	2.5 M Sodium acetate	134619
20	0.1 M Tris-HCl pH 8.5	1.25 M Sodium acetate	134620
21	0.1 M Tris-HCl pH 8.5	1.2 M tri-Sodium citrate	134621
22	0.1 M Tris-HCl pH 8.5	0.6 M tri-Sodium citrate	134622
23	0.1 M Tris-HCl pH 8.5	0.6 M Sodium fluoride	134623
24	0.1 M Tris-HCl pH 8.5	0.3 M Sodium fluoride	134624
25	0.1 M Sodium acetate pH 4.6	3.5 M Sodium formate	134625
26	0.1 M Sodium acetate pH 4.6	1.75 M Sodium formate	134626
27	0.1 M Sodium acetate pH 4.6	3.5 M Sodium bromide	134627
28	0.1 M Sodium acetate pH 4.6	1.75 M Sodium bromide	134628
29	0.1 M Sodium acetate pH 4.6	2.4 M Sodium malonate	134629
30	0.1 M Sodium acetate pH 4.6	1.2 M Sodium malonate	134630
31	0.1 M MES pH 6.5	3.5 M Sodium formate	134631
32	0.1 M MES pH 6.5	1.75 M Sodium formate	134632
33	0.1 M MES pH 6.5	3.5 M Sodium bromide	134633
34	0.1 M MES pH 6.5	1.75 M Sodium bromide	134634
35	0.1 M MES pH 6.5	2.4 M Sodium malonate	134635
36	0.1 M MES pH 6.5	1.2 M Sodium malonate	134636
37	0.1 M HEPES pH 7.5	3.5 M Sodium formate	134637
38	0.1 M HEPES pH 7.5	1.75 M Sodium formate	134638
39	0.1 M HEPES pH 7.5	3.5 M Sodium bromide	134639
40	0.1 M HEPES pH 7.5	1.75 M Sodium bromide	134640
41	0.1 M HEPES pH 7.5	2.4 M Sodium malonate	134641
42	0.1 M HEPES pH 7.5	1.2 M Sodium malonate	134642
43	0.1 M Tris-HCl pH 8.5	3.5 M Sodium formate	134643
44	0.1 M Tris-HCl pH 8.5	1.75 M Sodium formate	134644
45	0.1 M Tris-HCl pH 8.5	3.5 M Sodium bromide	134645
46	0.1 M Tris-HCl pH 8.5	1.75 M Sodium bromide	134646
47	0.1 M Tris-HCl pH 8.5	2.4 M Sodium malonate	134647
48	0.1 M Tris-HCl pH 8.5	1.2 M Sodium malonate	134648

The Anions Suite Composition Table

Number	Buffer	Precipitant	Cat. no. (Refill-Hit Solution, 4 x 12.5 ml tubes)
49	0.1 M Sodium acetate pH 4.6	3.5 M Sodium nitrate	134649
50	0.1 M Sodium acetate pH 4.6	1.75 M Sodium nitrate	134650
51	0.1 M Sodium acetate pH 4.6	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134651
52	0.1 M Sodium acetate pH 4.6	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134652
53	0.1 M Sodium acetate pH 4.6	1.0 M Sodium succinate	134653
54	0.1 M Sodium acetate pH 4.6	0.5 M Sodium succinate	134654
55	0.1 M MES pH 6.5	3.5 M Sodium nitrate	134655
56	0.1 M MES pH 6.5	1.75 M Sodium nitrate	134656
57	0.1 M MES pH 6.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134657
58	0.1 M MES pH 6.5	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134658
59	0.1 M MES pH 6.5	1.0 M Sodium succinate	134659
60	0.1 M MES pH 6.5	0.5 M Sodium succinate	134660
61	0.1 M HEPES pH 7.5	3.5 M Sodium nitrate	134661
62	0.1 M HEPES pH 7.5	1.75 M Sodium nitrate	134662
63	0.1 M HEPES pH 7.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134663
64	0.1 M HEPES pH 7.5	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134664
65	0.1 M HEPES pH 7.5	1.0 M Sodium succinate	134665
66	0.1 M HEPES pH 7.5	0.5 M Sodium succinate	134666
67	0.1 M Tris-HCl pH 8.5	3.5 M Sodium nitrate	134667
68	0.1 M Tris-HCl pH 8.5	1.75 M Sodium nitrate	134668
69	0.1 M Tris-HCl pH 8.5	0.9 M Sodium phosphate; 0.9 Potassium phosphate	134669
70	0.1 M Tris-HCl pH 8.5	0.45 M Sodium phosphate; 0.45 Potassium phosphate	134670
71	0.1 M Tris-HCl pH 8.5	1.0 M Sodium succinate	134671
72	0.1 M Tris-HCl pH 8.5	0.5 M Sodium succinate	134672
73	0.1 M Sodium acetate pH 4.6	0.75 M Sodium sulfate	134673
74	0.1 M Sodium acetate pH 4.6	0.37 M Sodium sulfate	134674
75	0.1 M Sodium tartrate pH 5.6	1.2 M K/Na tartrate	134675
76	0.1 M Sodium tartrate pH 5.6	0.6 M K/Na tartrate	134676
77	0.1 M Sodium acetate pH 4.6	2.4 M Sodium thiocyanate	134677
78	0.1 M Sodium acetate pH 4.6	1.2 M Sodium thiocyanate	134678
79	0.1 M MES pH 6.5	0.75 M Sodium sulfate	134679
80	0.1 M MES pH 6.5	0.37 M Sodium sulfate	134680
81	0.1 M MES pH 6.5	1.2 M K/Na tartrate	134681
82	0.1 M MES pH 6.5	0.6 M K/Na tartrate	134682
83	0.1 M MES pH 6.5	2.4 M Sodium thiocyanate	134683
84	0.1 M MES pH 6.5	1.2 M Sodium thiocyanate	134684
85	0.1 M HEPES pH 7.5	0.75 M Sodium sulfate	134685
86	0.1 M HEPES pH 7.5	0.37 M Sodium sulfate	134686
87	0.1 M HEPES pH 7.5	1.2 M K/Na tartrate	134687
88	0.1 M HEPES pH 7.5	0.6 M K/Na tartrate	134688
89	0.1 M HEPES pH 7.5	2.4 M Sodium thiocyanate	134689
90	0.1 M HEPES pH 7.5	1.2 M Sodium thiocyanate	134690
91	0.1 M Tris-HCl pH 8.5	0.75 M Sodium sulfate	134691
92	0.1 M Tris-HCl pH 8.5	0.37 M Sodium sulfate	134692
93	0.1 M Tris-HCl pH 8.5	1.2 M K/Na tartrate	134693
94	0.1 M Tris-HCl pH 8.5	0.6 M K/Na tartrate	134694
95	0.1 M Tris-HCl pH 8.5	2.4 M Sodium thiocyanate	134695
96	0.1 M Tris-HCl pH 8.5	1.2 M Sodium thiocyanate	134696

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			■	

Find out more and order EasyXtal and NeXtal products online at
www.qiagen.com/crystallization

Trademarks: QIAGEN® (QIAGEN Group) 1054288 08/2008 © 2008 QIAGEN, all rights reserved

www.qiagen.com

Australia ■ 1-800-243-800
Austria ■ 0800/281010
Belgium ■ 0800-79612
Canada ■ 800-572-9613
China ■ 0086 21 3865 3865
Denmark ■ 80-885945
Finland ■ 0800-914416

France ■ 01-60-920-930
Germany ■ 02103-29-12000
Hong Kong ■ 800 933 965
Ireland ■ 1800 555 049
Italy ■ 800 787980
Japan ■ 03-5547-0811
Korea (South) ■ 1544 7145
Luxembourg ■ 8002 2076

The Netherlands ■ 0800 0229592
Norway ■ 800-18859
Singapore ■ 65-67775366
Spain ■ 91-630-7050
Sweden ■ 020-790282
Switzerland ■ 055-254-22-11
UK ■ 01293-422-911
USA ■ 800-426-8157

