

Well #	Salt	Well #	Classification	Well #	Suggested Drop Concentration
1. (A1)	0.1 M Barium chloride dihydrate	1. (A1)	Multivalent	1. (A1)	0.01 M (10 mM)
2. (A2)	0.1 M Cadmium chloride hydrate	2. (A2)	Multivalent	2. (A2)	0.01 M (10 mM)
3. (A3)	0.1 M Calcium chloride dihydrate	3. (A3)	Multivalent	3. (A3)	0.01 M (10 mM)
4. (A4)	0.1 M Cobalt(II) chloride hexahydrate	4. (A4)	Multivalent	4. (A4)	0.01 M (10 mM)
5. (A5)	0.1 M Copper(II) chloride dihydrate	5. (A5)	Multivalent	5. (A5)	0.01 M (10 mM)
6. (A6)	0.1 M Magnesium chloride hexahydrate	6. (A6)	Multivalent	6. (A6)	0.01 M (10 mM)
7. (A7)	0.1 M Manganese(II) chloride tetrahydrate	7. (A7)	Multivalent	7. (A7)	0.01 M (10 mM)
8. (A8)	0.1 M Strontium chloride hexahydrate	8. (A8)	Multivalent	8. (A8)	0.01 M (10 mM)
9. (A9)	0.1 M Yttrium(III) chloride hexahydrate	9. (A9)	Multivalent	9. (A9)	0.01 M (10 mM)
10. (A10)	0.1 M Zinc chloride	10. (A10)	Multivalent	10. (A10)	0.01 M (10 mM)
11. (A11)	0.1 M Iron(III) chloride hexahydrate	11. (A11)	Multivalent	11. (A11)	0.01 M (10 mM)
12. (A12)	0.1 M Nickel(II) chloride hexahydrate	12. (A12)	Multivalent	12. (A12)	0.01 M (10 mM)
13. (B1)	0.1 M Chromium(III) chloride hexahydrate	13. (B1)	Multivalent	13. (B1)	0.01 M (10 mM)
14. (B2)	0.1 M Praseodymium(III) acetate hydrate	14. (B2)	Multivalent	14. (B2)	0.01 M (10 mM)
15. (B3)	1.0 M Ammonium sulfate	15. (B3)	Salt	15. (B3)	0.1 M (100 mM)
16. (B4)	1.0 M Potassium chloride	16. (B4)	Salt	16. (B4)	0.1 M (100 mM)
17. (B5)	1.0 M Lithium chloride	17. (B5)	Salt	17. (B5)	0.1 M (100 mM)
18. (B6)	2.0 M Sodium chloride	18. (B6)	Salt	18. (B6)	0.2 M (200 mM)
19. (B7)	0.5 M Sodium fluoride	19. (B7)	Salt	19. (B7)	0.05 M (50 mM)
20. (B8)	1.0 M Sodium iodide	20. (B8)	Salt	20. (B8)	0.1 M (100 mM)
21. (B9)	2.0 M Sodium thiocyanate	21. (B9)	Salt	21. (B9)	0.2 M (200 mM)
22. (B10)	1.0 M Potassium sodium tartrate tetrahydrate	22. (B10)	Salt	22. (B10)	0.1 M (100 mM)
23. (B11)	1.0 M Sodium citrate tribasic dihydrate	23. (B11)	Salt	23. (B11)	0.1 M (100 mM)
24. (B12)	1.0 M Cesium chloride	24. (B12)	Salt	24. (B12)	0.1 M (100 mM)
25. (C1)	1.0 M Sodium malonate pH 7.0	25. (C1)	Salt	25. (C1)	0.1 M (100 mM)
26. (C2)	0.1 M L-Proline	26. (C2)	Amino Acid	26. (C2)	0.01 M (10 mM)
27. (C3)	0.1 M Phenol	27. (C3)	Dissociating Agent	27. (C3)	0.01 M (10 mM)
28. (C4)	30% v/v Dimethyl sulfoxide	28. (C4)	Dissociating Agent	28. (C4)	3.0%
29. (C5)	0.1 M Sodium bromide	29. (C5)	Dissociating Agent	29. (C5)	0.01 M (10 mM)
30. (C6)	30% w/v 6-Aminohexanoic acid	30. (C6)	Linker	30. (C6)	3.0%
31. (C7)	30% w/v 1,5-Diaminopentane dihydrochloride	31. (C7)	Linker	31. (C7)	3.0%
32. (C8)	30% w/v 1,6-Diaminohexane	32. (C8)	Linker	32. (C8)	3.0%
33. (C9)	30% w/v 1,8-Diaminooctane	33. (C9)	Linker	33. (C9)	3.0%
34. (C10)	1.0 M Glycine	34. (C10)	Linker	34. (C10)	0.1 M (100 mM)
35. (C11)	0.3 M Glycyl-glycyl-glycine	35. (C11)	Linker	35. (C11)	0.03 M (30 mM)
36. (C12)	0.1 M Taurine	36. (C12)	Linker	36. (C12)	0.01 M (10 mM)
37. (D1)	0.1 M Betaine hydrochloride	37. (D1)	Linker	37. (D1)	0.01 M (10 mM)
38. (D2)	0.1 M Spermidine	38. (D2)	Polyamine	38. (D2)	0.01 M (10 mM)
39. (D3)	0.1 M Spermine tetrahydrochloride	39. (D3)	Polyamine	39. (D3)	0.01 M (10 mM)
40. (D4)	0.1 M Hexamine cobalt(III) chloride	40. (D4)	Polyamine	40. (D4)	0.01 M (10 mM)
41. (D5)	0.1 M Sarcosine	41. (D5)	Polyamine / Osmolyte	41. (D5)	0.01 M (10 mM)
42. (D6)	0.1 M Trimethylamine hydrochloride	42. (D6)	Chaotrope	42. (D6)	0.01 M (10 mM)
43. (D7)	1.0 M Guanidine hydrochloride	43. (D7)	Chaotrope	43. (D7)	0.1 M (100 mM)
44. (D8)	0.1 M Urea	44. (D8)	Chaotrope	44. (D8)	0.01 M (10 mM)
45. (D9)	0.1 M β -Nicotinamide adenine dinucleotide hydrate	45. (D9)	Co-factor	45. (D9)	0.01 M (10 mM)
46. (D10)	0.1 M Adenosine-5'-triphosphate disodium salt hydrate	46. (D10)	Co-factor	46. (D10)	0.01 M (10 mM)
47. (D11)	0.1 M TCEP hydrochloride	47. (D11)	Reducing Agent	47. (D11)	0.01 M (10 mM)
48. (D12)	0.01 M GSH (L-Glutathione reduced), 0.01 M GSSG (L-Glutathione oxidized)	48. (D12)	Reducing Agent	48. (D12)	0.001 M (1 mM)

Additive Screen HT (Deep Well Block) contains ninety-six unique reagents beginning at position A1.
To determine the formulation of each reagent, simply read across the page.

Well #	Salt	Well #	Classification	Well #	Suggested Drop Concentration
49. (E1)	0.1 M Ethylenediaminetetraacetic disodium salt dihydrate	49. (E1)	Chelating Agent	49. (E1)	0.01 M (10 mM)
50. (E2)	5% w/v Polyvinylpyrrolidone K15	50. (E2)	Polymer	50. (E2)	0.5%
51. (E3)	30% w/v Dextran sulfate sodium salt (M _r 5,000)	51. (E3)	Polymer	51. (E3)	3.0%
52. (E4)	40% v/v Pentaerythritol ethoxylate (3/4 EO/OH)	52. (E4)	Polymer	52. (E4)	4.0%
53. (E5)	10% w/v Polyethylene glycol 3,350	53. (E5)	Polymer	53. (E5)	1.0%
54. (E6)	30% w/v D-(+)-Glucose monohydrate	54. (E6)	Carbohydrate	54. (E6)	3.0%
55. (E7)	30% w/v Sucrose	55. (E7)	Carbohydrate	55. (E7)	3.0%
56. (E8)	30% w/v Xylitol	56. (E8)	Carbohydrate	56. (E8)	3.0%
57. (E9)	30% w/v D-Sorbitol	57. (E9)	Carbohydrate	57. (E9)	3.0%
58. (E10)	12% w/v myo-Inositol	58. (E10)	Carbohydrate	58. (E10)	1.2%
59. (E11)	30% w/v D-(+)-Trehalose dihydrate	59. (E11)	Carbohydrate	59. (E11)	3.0%
60. (E12)	30% w/v D-(+)-Galactose	60. (E12)	Carbohydrate	60. (E12)	3.0%
61. (F1)	30% v/v Ethylene glycol	61. (F1)	Polyol	61. (F1)	3.0%
62. (F2)	30% v/v Glycerol	62. (F2)	Polyol	62. (F2)	3.0%
63. (F3)	3.0 M NDSB-195	63. (F3)	Non-detergent	63. (F3)	0.3 M (300 mM)
64. (F4)	2.0 M NDSB-201	64. (F4)	Non-detergent	64. (F4)	0.2 M (200 mM)
65. (F5)	2.0 M NDSB-211	65. (F5)	Non-detergent	65. (F5)	0.2 M (200 mM)
66. (F6)	2.0 M NDSB-221	66. (F6)	Non-detergent	66. (F6)	0.2 M (200 mM)
67. (F7)	1.0 M NDSB-256	67. (F7)	Non-detergent	67. (F7)	0.1 M (200 mM)
68. (F8)	0.15 mM CYMAL® -7	68. (F8)	Amphiphile	68. (F8)	0.000015 M (0.015 mM)
69. (F9)	20% w/v Benzamidine hydrochloride	69. (F9)	Amphiphile	69. (F9)	2.0%
70. (F10)	5% w/v n-dodecyl-N,N-dimethylamine-N-oxide, (LDAO, DDAO)	70. (F10)	Detergent	70. (F10)	0.5%
71. (F11)	5% w/v n-Octyl-β-D-glucoside	71. (F11)	Detergent	71. (F11)	0.5%
72. (F12)	5% w/v n-Dodecyl-β-D-maltoside	72. (F12)	Detergent	72. (F12)	0.5%
73. (G1)	30% w/v Trimethylamine N-oxide dihydrate	73. (G1)	Osmolyte	73. (G1)	3.0%
74. (G2)	30% w/v 1,6-Hexanediol	74. (G2)	Organic, Non-volatile	74. (G2)	3.0%
75. (G3)	30% v/v (+/-)-2-Methyl-2,4-pentanediol	75. (G3)	Organic, Non-volatile	75. (G3)	3.0%
76. (G4)	50% w/v Polyethylene glycol 400	76. (G4)	Organic, Non-volatile	76. (G4)	5.0%
77. (G5)	50% v/v Jeffamine M-600® pH 7.0	77. (G5)	Organic, Non-volatile	77. (G5)	5.0%
78. (G6)	40% v/v 2,5-Hexanediol	78. (G6)	Organic, Non-volatile	78. (G6)	4.0%
79. (G7)	40% v/v (±)-1,3-Butanediol	79. (G7)	Organic, Non-volatile	79. (G7)	4.0%
80. (G8)	40% v/v Polypropylene glycol P 400	80. (G8)	Organic, Non-volatile	80. (G8)	4.0%
81. (G9)	30% v/v 1,4-Dioxane	81. (G9)	Organic, Volatile	81. (G9)	3.0%
82. (G10)	30% v/v Ethanol	82. (G10)	Organic, Volatile	82. (G10)	3.0%
83. (G11)	30% v/v 2-Propanol	83. (G11)	Organic, Volatile	83. (G11)	3.0%
84. (G12)	30% v/v Methanol	84. (G12)	Organic, Volatile	84. (G12)	3.0%
85. (H1)	40% v/v 1,4-Butanediol	85. (H1)	Organic, Volatile	85. (H1)	4.0%
86. (H2)	40% v/v tert-Butanol	86. (H2)	Organic, Volatile	86. (H2)	4.0%
87. (H3)	40% v/v 1,3-Propanediol	87. (H3)	Organic, Volatile	87. (H3)	4.0%
88. (H4)	40% v/v Acetonitrile	88. (H4)	Organic, Volatile	88. (H4)	4.0%
89. (H5)	40% v/v Formamide	89. (H5)	Organic, Volatile	89. (H5)	4.0%
90. (H6)	40% v/v 1-Propanol	90. (H6)	Organic, Volatile	90. (H6)	4.0%
91. (H7)	5% v/v Ethyl acetate	91. (H7)	Organic, Volatile	91. (H7)	0.5%
92. (H8)	40% v/v Acetone	92. (H8)	Organic, Volatile	92. (H8)	4.0%
93. (H9)	0.25% v/v Dichloromethane	93. (H9)	Organic, Volatile	93. (H9)	0.025%
94. (H10)	7% v/v 1-Butanol	94. (H10)	Organic, Volatile	94. (H10)	0.7%
95. (H11)	40% v/v 2,2,2-Trifluoroethanol	95. (H11)	Organic, Volatile	95. (H11)	4.0%
96. (H12)	40% v/v 1,1,1,3,3,3-Hexafluoro-2-propanol	96. (H12)	Organic, Volatile	96. (H12)	4.0%

Additive Screen HT (Deep Well Block) contains ninety-six unique reagents beginning at position A1.
To determine the formulation of each reagent, simply read across the page.

34 Journey

Aliso Viejo, CA 92656-3317 U.S.A.

Tel: (949) 425-1321 • Fax: (949) 425-1611

E-mail: tech@hrmail.com

Website: www.hamptonresearch.com



Solutions for Crystal Growth

© 1991-2010 Hampton Research Corp. all rights reserved
Printed in the United States of America. This guide or
parts thereof may not be reproduced in any form without
the written permission of the publishers.