

Well #	Salt	Well #	Buffer ◇	Well #	Precipitant
1. (A1)	0.02 M Calcium chloride dihydrate	1. (A1)	0.1 M Sodium acetate trihydrate pH 4.6	1. (A1)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
2. (A2)	None	2. (A2)	None	2. (A2)	0.4 M Potassium sodium tartrate tetrahydrate
3. (A3)	None	3. (A3)	None	3. (A3)	0.4 M Ammonium phosphate monobasic
4. (A4)	None	4. (A4)	0.1 M TRIS hydrochloride pH 8.5	4. (A4)	2.0 M Ammonium sulfate
5. (A5)	0.2 M Sodium citrate tribasic dihydrate	5. (A5)	0.1 M HEPES sodium pH 7.5	5. (A5)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
6. (A6)	0.2 M Magnesium chloride hexahydrate	6. (A6)	0.1 M TRIS hydrochloride pH 8.5	6. (A6)	30% w/v Polyethylene glycol 4,000
7. (A7)	None	7. (A7)	0.1 M Sodium cacodylate trihydrate pH 6.5	7. (A7)	1.4 M Sodium acetate trihydrate
8. (A8)	0.2 M Sodium citrate tribasic dihydrate	8. (A8)	0.1 M Sodium cacodylate trihydrate pH 6.5	8. (A8)	30% v/v 2-Propanol
9. (A9)	0.2 M Ammonium acetate	9. (A9)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	9. (A9)	30% w/v Polyethylene glycol 4,000
10. (A10)	0.2 M Ammonium acetate	10. (A10)	0.1 M Sodium acetate trihydrate pH 4.6	10. (A10)	30% w/v Polyethylene glycol 4,000
11. (A11)	None	11. (A11)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	11. (A11)	1.0 M Ammonium phosphate monobasic
12. (A12)	0.2 M Magnesium chloride hexahydrate	12. (A12)	0.1 M HEPES sodium pH 7.5	12. (A12)	30% v/v 2-Propanol
13. (B1)	0.2 M Sodium citrate tribasic dihydrate	13. (B1)	0.1 M TRIS hydrochloride pH 8.5	13. (B1)	30% v/v Polyethylene glycol 400
14. (B2)	0.2 M Calcium chloride dihydrate	14. (B2)	0.1 M HEPES sodium pH 7.5	14. (B2)	28% v/v Polyethylene glycol 400
15. (B3)	0.2 M Ammonium sulfate	15. (B3)	0.1 M Sodium cacodylate trihydrate pH 6.5	15. (B3)	30% w/v Polyethylene glycol 8,000
16. (B4)	None	16. (B4)	0.1 M HEPES sodium pH 7.5	16. (B4)	1.5 M Lithium sulfate monohydrate
17. (B5)	0.2 M Lithium sulfate monohydrate	17. (B5)	0.1 M TRIS hydrochloride pH 8.5	17. (B5)	30% w/v Polyethylene glycol 4,000
18. (B6)	0.2 M Magnesium acetate tetrahydrate	18. (B6)	0.1 M Sodium cacodylate trihydrate pH 6.5	18. (B6)	20% w/v Polyethylene glycol 8,000
19. (B7)	0.2 M Ammonium acetate	19. (B7)	0.1 M TRIS hydrochloride pH 8.5	19. (B7)	30% v/v 2-Propanol
20. (B8)	0.2 M Ammonium sulfate	20. (B8)	0.1 M Sodium acetate trihydrate pH 4.6	20. (B8)	25% w/v Polyethylene glycol 4,000
21. (B9)	0.2 M Magnesium acetate tetrahydrate	21. (B9)	0.1 M Sodium cacodylate trihydrate pH 6.5	21. (B9)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
22. (B10)	0.2 M Sodium acetate trihydrate	22. (B10)	0.1 M TRIS hydrochloride pH 8.5	22. (B10)	30% w/v Polyethylene glycol 4,000
23. (B11)	0.2 M Magnesium chloride hexahydrate	23. (B11)	0.1 M HEPES sodium pH 7.5	23. (B11)	30% v/v Polyethylene glycol 400
24. (B12)	0.2 M Calcium chloride dihydrate	24. (B12)	0.1 M Sodium acetate trihydrate pH 4.6	24. (B12)	20% v/v 2-Propanol
25. (C1)	None	25. (C1)	0.1 M Imidazole pH 6.5	25. (C1)	1.0 M Sodium acetate trihydrate
26. (C2)	0.2 M Ammonium acetate	26. (C2)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	26. (C2)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
27. (C3)	0.2 M Sodium citrate tribasic dihydrate	27. (C3)	0.1 M HEPES sodium pH 7.5	27. (C3)	20% v/v 2-Propanol
28. (C4)	0.2 M Sodium acetate trihydrate	28. (C4)	0.1 M Sodium cacodylate trihydrate pH 6.5	28. (C4)	30% w/v Polyethylene glycol 8,000
29. (C5)	None	29. (C5)	0.1 M HEPES sodium pH 7.5	29. (C5)	0.8 M Potassium sodium tartrate tetrahydrate
30. (C6)	0.2 M Ammonium sulfate	30. (C6)	None	30. (C6)	30% w/v Polyethylene glycol 8,000
31. (C7)	0.2 M Ammonium sulfate	31. (C7)	None	31. (C7)	30% w/v Polyethylene glycol 4,000
32. (C8)	None	32. (C8)	None	32. (C8)	2.0 M Ammonium sulfate
33. (C9)	None	33. (C9)	None	33. (C9)	4.0 M Sodium formate
34. (C10)	None	34. (C10)	0.1 M Sodium acetate trihydrate pH 4.6	34. (C10)	2.0 M Sodium formate
35. (C11)	None	35. (C11)	0.1 M HEPES sodium pH 7.5	35. (C11)	0.8 M Sodium phosphate monobasic monohydrate, 0.8 M Potassium phosphate monobasic
36. (C12)	None	36. (C12)	0.1 M TRIS hydrochloride pH 8.5	36. (C12)	8% w/v Polyethylene glycol 8,000
37. (D1)	None	37. (D1)	0.1 M Sodium acetate trihydrate pH 4.6	37. (D1)	8% w/v Polyethylene glycol 4,000
38. (D2)	None	38. (D2)	0.1 M HEPES sodium pH 7.5	38. (D2)	1.4 M Sodium citrate tribasic dihydrate
39. (D3)	None	39. (D3)	0.1 M HEPES sodium pH 7.5	39. (D3)	2% v/v Polyethylene glycol 400, 2.0 M Ammonium sulfate
40. (D4)	None	40. (D4)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	40. (D4)	20% v/v 2-Propanol, 20% w/v Polyethylene glycol 4,000
41. (D5)	None	41. (D5)	0.1 M HEPES sodium pH 7.5	41. (D5)	10% v/v 2-Propanol, 20% w/v Polyethylene glycol 4,000
42. (D6)	0.05 M Potassium phosphate monobasic	42. (D6)	None	42. (D6)	20% w/v Polyethylene glycol 8,000
43. (D7)	None	43. (D7)	None	43. (D7)	30% w/v Polyethylene glycol 1,500
44. (D8)	None	44. (D8)	None	44. (D8)	0.2 M Magnesium formate dihydrate
45. (D9)	0.2 M Zinc acetate dihydrate	45. (D9)	0.1 M Sodium cacodylate trihydrate pH 6.5	45. (D9)	18% w/v Polyethylene glycol 8,000
46. (D10)	0.2 M Calcium acetate hydrate	46. (D10)	0.1 M Sodium cacodylate trihydrate pH 6.5	46. (D10)	18% w/v Polyethylene glycol 8,000
47. (D11)	None	47. (D11)	0.1 M Sodium acetate trihydrate pH 4.6	47. (D11)	2.0 M Ammonium sulfate
48. (D12)	None	48. (D12)	0.1 M TRIS hydrochloride pH 8.5	48. (D12)	2.0 M Ammonium phosphate monobasic

◇ Buffer pH is that of a 1.0 M stock prior to dilution with other reagent components: pH with HCl or NaOH.

*Crystal Screen™ (Deep Well Block) contains forty-eight unique reagents beginning at position A1.
To determine the formulation of each reagent, simply read across the page.*

Well #	Salt	Well #	Buffer ◇	Well #	Precipitant
49. (E1)	2.0 M Sodium chloride	49. (E1)	None	49. (E1)	10% w/v Polyethylene glycol 6,000
50. (E2)	0.5 M Sodium chloride, 0.01 M Magnesium chloride hexahydrate	50. (E2)	None	50. (E2)	0.01 M Hexadecyltrimethylammonium bromide
51. (E3)	None	51. (E3)	None	51. (E3)	25% v/v Ethylene glycol
52. (E4)	None	52. (E4)	None	52. (E4)	35% v/v 1,4-Dioxane
53. (E5)	2.0 M Ammonium sulfate	53. (E5)	None	53. (E5)	5% v/v 2-Propanol
54. (E6)	None	54. (E6)	None	54. (E6)	1.0 M Imidazole pH 7.0
55. (E7)	None	55. (E7)	None	55. (E7)	10% w/v Polyethylene glycol 1,000, 10% w/v Polyethylene glycol 8,000
56. (E8)	1.5 M Sodium chloride	56. (E8)	None	56. (E8)	10% v/v Ethanol
57. (E9)	None	57. (E9)	0.1 M Sodium acetate trihydrate pH 4.6	57. (E9)	2.0 M Sodium chloride
58. (E10)	0.2 M Sodium chloride	58. (E10)	0.1 M Sodium acetate trihydrate pH 4.6	58. (E10)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
59. (E11)	0.01 M Cobalt(II) chloride hexahydrate	59. (E11)	0.1 M Sodium acetate trihydrate pH 4.6	59. (E11)	1.0 M 1,6-Hexanediol
60. (E12)	0.1 M Cadmium chloride hydrate	60. (E12)	0.1 M Sodium acetate trihydrate pH 4.6	60. (E12)	30% v/v Polyethylene glycol 400
61. (F1)	0.2 M Ammonium sulfate	61. (F1)	0.1 M Sodium acetate trihydrate pH 4.6	61. (F1)	30% w/v Polyethylene glycol monomethyl ether 2,000
62. (F2)	0.2 M Potassium sodium tartrate tetrahydrate	62. (F2)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	62. (F2)	2.0 M Ammonium sulfate
63. (F3)	0.5 M Ammonium sulfate	63. (F3)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	63. (F3)	1.0 M Lithium sulfate monohydrate
64. (F4)	0.5 M Sodium chloride	64. (F4)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	64. (F4)	2% v/v Ethylene imine polymer
65. (F5)	None	65. (F5)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	65. (F5)	35% v/v tert-Butanol
66. (F6)	0.01 M Iron(III) chloride hexahydrate	66. (F6)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	66. (F6)	10% v/v Jeffamine® M-600®
67. (F7)	None	67. (F7)	0.1 M Sodium citrate tribasic dihydrate pH 5.6	67. (F7)	2.5 M 1,6-Hexanediol
68. (F8)	None	68. (F8)	0.1 M MES monohydrate pH 6.5	68. (F8)	1.6 M Magnesium sulfate heptahydrate
69. (F9)	0.1 M Sodium phosphate monobasic monohydrate, 0.1 M Potassium phosphate monobasic	69. (F9)	0.1 M MES monohydrate pH 6.5	69. (F9)	2.0 M Sodium chloride
70. (F10)	None	70. (F10)	0.1 M MES monohydrate pH 6.5	70. (F10)	12% w/v Polyethylene glycol 20,000
71. (F11)	1.6 M Ammonium sulfate	71. (F11)	0.1 M MES monohydrate pH 6.5	71. (F11)	10% v/v 1,4-Dioxane
72. (F12)	0.05 M Cesium chloride	72. (F12)	0.1 M MES monohydrate pH 6.5	72. (F12)	30% v/v Jeffamine® M-600®
73. (G1)	0.01 M Cobalt(II) chloride hexahydrate	73. (G1)	0.1 M MES monohydrate pH 6.5	73. (G1)	1.8 M Ammonium sulfate
74. (G2)	0.2 M Ammonium sulfate	74. (G2)	0.1 M MES monohydrate pH 6.5	74. (G2)	30% w/v Polyethylene glycol monomethyl ether 5,000
75. (G3)	0.01 M Zinc sulfate heptahydrate	75. (G3)	0.1 M MES monohydrate pH 6.5	75. (G3)	25% v/v Polyethylene glycol monomethyl ether 550
76. (G4)	None	76. (G4)	None	76. (G4)	1.6 M Sodium citrate tribasic dihydrate pH 6.5
77. (G5)	0.5 M Ammonium sulfate	77. (G5)	0.1 M HEPES pH 7.5	77. (G5)	30% v/v (+/-)-2-Methyl-2,4-pentanediol
78. (G6)	None	78. (G6)	0.1 M HEPES pH 7.5	78. (G6)	10% w/v Polyethylene glycol 6,000, 5% v/v (+/-)-2-Methyl-2,4-pentanediol
79. (G7)	None	79. (G7)	0.1 M HEPES pH 7.5	79. (G7)	20% v/v Jeffamine® M-600®
80. (G8)	0.1 M Sodium chloride	80. (G8)	0.1 M HEPES pH 7.5	80. (G8)	1.6 M Ammonium sulfate
81. (G9)	None	81. (G9)	0.1 M HEPES pH 7.5	81. (G9)	2.0 M Ammonium formate
82. (G10)	0.05 M Cadmium sulfate hydrate	82. (G10)	0.1 M HEPES pH 7.5	82. (G10)	1.0 M Sodium acetate trihydrate
83. (G11)	None	83. (G11)	0.1 M HEPES pH 7.5	83. (G11)	70% v/v (+/-)-2-Methyl-2,4-pentanediol
84. (G12)	None	84. (G12)	0.1 M HEPES pH 7.5	84. (G12)	4.3 M Sodium chloride
85. (H1)	None	85. (H1)	0.1 M HEPES pH 7.5	85. (H1)	10% w/v Polyethylene glycol 8,000, 8% v/v Ethylene glycol
86. (H2)	None	86. (H2)	0.1 M HEPES pH 7.5	86. (H2)	20% w/v Polyethylene glycol 10,000
87. (H3)	0.2 M Magnesium chloride hexahydrate	87. (H3)	0.1 M Tris pH 8.5	87. (H3)	3.4 M 1,6-Hexanediol
88. (H4)	None	88. (H4)	0.1 M Tris pH 8.5	88. (H4)	25% v/v tert-Butanol
89. (H5)	0.01 M Nickel(II) chloride hexahydrate	89. (H5)	0.1 M Tris pH 8.5	89. (H5)	1.0 M Lithium sulfate monohydrate
90. (H6)	1.5 M Ammonium sulfate	90. (H6)	0.1 M Tris pH 8.5	90. (H6)	12% v/v Glycerol
91. (H7)	0.2 M Ammonium phosphate monobasic	91. (H7)	0.1 M Tris pH 8.5	91. (H7)	50% v/v (+/-)-2-Methyl-2,4-pentanediol
92. (H8)	None	92. (H8)	0.1 M Tris pH 8.5	92. (H8)	20% v/v Ethanol
93. (H9)	0.01 M Nickel(II) chloride hexahydrate	93. (H9)	0.1 M Tris pH 8.5	93. (H9)	20% w/v Polyethylene glycol monomethyl ether 2,000
94. (H10)	0.1 M Sodium chloride	94. (H10)	0.1 M BICINE pH 9.0	94. (H10)	20% v/v Polyethylene glycol monomethyl ether 550
95. (H11)	None	95. (H11)	0.1 M BICINE pH 9.0	95. (H11)	2.0 M Magnesium chloride hexahydrate
96. (H12)	None	96. (H12)	0.1 M BICINE pH 9.0	96. (H12)	2% v/v 1,4-Dioxane, 10% w/v Polyethylene glycol 20,000

◇ Buffer pH is that of a 1.0 M (0.5 M for MES) stock prior to dilution with other reagent components:
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