

Sample: _____ Sample Concentration: _____
 Sample Buffer: _____ Date: _____
 Reservoir Volume: _____ Temperature: _____
 Drop Volume: Total _____ μ l Sample _____ μ l Reservoir _____ μ l Additive _____ μ l

- 1 Clear Drop
- 2 Phase Separation
- 3 Regular Granular Precipitate
- 4 Birefringent Precipitate or Microcrystals

- 5 Posettes or Spherulites
- 6 Needles (1D Growth)
- 7 Plates (2D Growth)
- 8 Single Crystals (3D Growth < 0.2 mm)
- 9 Single Crystals (3D Growth > 0.2 mm)

Index™ - HR2-144 Scoring Sheet

Date: Date: Date:

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|-----|---|--|--|--|
| 1. | 0.1 M Citric acid pH 3.5, 2.0 M Ammonium sulfate | | | |
| 2. | 0.1 M Sodium acetate trihydrate pH 4.5, 2.0 M Ammonium sulfate | | | |
| 3. | 0.1 M BIS-TRIS pH 5.5, 2.0 M Ammonium sulfate | | | |
| 4. | 0.1 M BIS-TRIS pH 6.5, 2.0 M Ammonium sulfate | | | |
| 5. | 0.1 M HEPES pH 7.5, 2.0 M Ammonium sulfate | | | |
| 6. | 0.1 M Tris pH 8.5, 2.0 M Ammonium sulfate | | | |
| 7. | 0.1 M Citric acid pH 3.5, 3.0 M Sodium chloride | | | |
| 8. | 0.1 M Sodium acetate trihydrate pH 4.5, 3.0 M Sodium chloride | | | |
| 9. | 0.1 M BIS-TRIS pH 5.5, 3.0 M Sodium chloride | | | |
| 10. | 0.1 M BIS-TRIS pH 6.5, 3.0 M Sodium chloride | | | |
| 11. | 0.1 M HEPES pH 7.5, 3.0 M Sodium chloride | | | |
| 12. | 0.1 M Tris pH 8.5, 3.0 M Sodium chloride | | | |
| 13. | 0.1 M BIS-TRIS pH 5.5, 0.3 M Magnesium formate dihydrate | | | |
| 14. | 0.1 M BIS-TRIS pH 6.5, 0.5 M Magnesium formate dihydrate | | | |
| 15. | 0.1 M HEPES pH 7.5, 0.5 M Magnesium formate dihydrate | | | |
| 16. | 0.1 M TRIS pH 8.5, 0.3 M Magnesium formate dihydrate | | | |
| 17. | 1.26 M Sodium phosphate monobasic monohydrate, 0.14 M Potassium phosphate dibasic, pH 5.6 | | | |
| 18. | 0.49 M Sodium phosphate monobasic monohydrate, 0.91 M Potassium phosphate dibasic, pH 6.9 | | | |
| 19. | 0.056 M Sodium phosphate monobasic monohydrate, 1.344 M Potassium phosphate dibasic, pH 8.2 | | | |
| 20. | 0.1 M HEPES pH 7.5, 1.4 M Sodium citrate tribasic dihydrate | | | |
| 21. | 1.8 M Ammonium citrate tribasic pH 7.0 | | | |
| 22. | 0.8 M Succinic acid pH 7.0 | | | |
| 23. | 2.1 M DL-Malic acid pH 7.0 | | | |
| 24. | 2.8 M Sodium acetate trihydrate pH 7.0 | | | |
| 25. | 3.5 M Sodium formate pH 7.0 | | | |
| 26. | 1.1 M Ammonium tartrate dibasic pH 7.0 | | | |
| 27. | 2.4 M Sodium malonate pH 7.0 | | | |
| 28. | 35% v/v Tacsimate™ pH 7.0 | | | |
| 29. | 60% v/v Tacsimate™ pH 7.0 | | | |
| 30. | 0.1 M Sodium chloride, 0.1 M BIS-TRIS pH 6.5, 1.5 M Ammonium sulfate | | | |
| 31. | 0.8 M Potassium sodium tartrate tetrahydrate, 0.1 M Tris pH 8.5, 0.5% w/v Polyethylene glycol monomethyl ether 5,000 | | | |
| 32. | 1.0 M Ammonium sulfate, 0.1 M BIS-TRIS pH 5.5, 1% w/v Polyethylene glycol 3,350 | | | |
| 33. | 1.1 M Sodium malonate pH 7.0, 0.1 M HEPES pH 7.0, 0.5% v/v Jeffamine® ED-2001 pH 7.0 | | | |
| 34. | 1.0 M Succinic acid pH 7.0, 0.1 M HEPES pH 7.0, 1% w/v Polyethylene glycol monomethyl ether 2,000 | | | |
| 35. | 1.0 M Ammonium sulfate, 0.1 M HEPES pH 7.0, 0.5% w/v Polyethylene glycol 8,000 | | | |
| 36. | 15% v/v Tacsimate™ pH 7.0, 0.1 M HEPES pH 7.0, 2% w/v Polyethylene glycol 3,350 | | | |
| 37. | 25% w/v Polyethylene glycol 1,500 | | | |
| 38. | 0.1 M HEPES pH 7.0, 30% v/v Jeffamine® M-600® pH 7.0 | | | |
| 39. | 0.1 M HEPES pH 7.0, 30% v/v Jeffamine® ED-2001 pH 7.0 | | | |
| 40. | 0.1 M Citric acid pH 3.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 41. | 0.1 M Sodium acetate trihydrate pH 4.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 42. | 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 43. | 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 44. | 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 45. | 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 46. | 0.1 M BIS-TRIS pH 6.5, 20% w/v Polyethylene glycol monomethyl ether 5,000 | | | |
| 47. | 0.1 M BIS-TRIS pH 6.5, 28% w/v Polyethylene glycol monomethyl ether 2,000 | | | |
| 48. | 0.2 M Calcium chloride dihydrate, 0.1 M BIS-TRIS pH 5.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |

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Index™ - HR2-144 Scoring Sheet

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|-----|---|--|--|--|
| 49. | 0.2 M Calcium chloride dihydrate, 0.1 M BIS-TRIS pH 6.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| 50. | 0.2 M Ammonium acetate, 0.1 M BIS-TRIS pH 5.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| 51. | 0.2 M Ammonium acetate, 0.1 M BIS-TRIS pH 6.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| 52. | 0.2 M Ammonium acetate, 0.1 M HEPES pH 7.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| 53. | 0.2 M Ammonium acetate, 0.1 M Tris pH 8.5, 45% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| 54. | 0.05 M Calcium chloride dihydrate, 0.1 M BIS-TRIS pH 6.5, 30% v/v Polyethylene glycol monomethyl ether 550 | | | |
| 55. | 0.05 M Magnesium chloride hexahydrate, 0.1 M HEPES pH 7.5, 30% v/v Polyethylene glycol monomethyl ether 550 | | | |
| 56. | 0.2 M Potassium chloride, 0.05 M HEPES pH 7.5, 35% v/v Pentaerythritol propoxylate (5/4 PO/OH) | | | |
| 57. | 0.05 M Ammonium sulfate, 0.05 M BIS-TRIS pH 6.5, 30% v/v Pentaerythritol ethoxylate (15/4 EO/OH) | | | |
| 58. | 0.1 M BIS-TRIS pH 6.5, 45% v/v Polypropylene glycol P 400 | | | |
| 59. | 0.02 M Magnesium chloride hexahydrate, 0.1 M HEPES pH 7.5, 22% w/v Poly(acrylic acid sodium salt) 5,100 | | | |
| 60. | 0.01 M Cobalt(II) chloride hexahydrate, 0.1 M Tris pH 8.5, 20% w/v Polyvinylpyrrolidone K 15 | | | |
| 61. | 0.2 M L-Proline, 0.1 M HEPES pH 7.5, 10% w/v Polyethylene glycol 3,350 | | | |
| 62. | 0.2 M Trimethylamine N-oxide dihydrate, 0.1 M Tris pH 8.5, 20% w/v Polyethylene glycol monomethyl ether 2,000 | | | |
| 63. | 5% v/v Tacsimate™ pH 7.0, 0.1 M HEPES pH 7.0, 10% w/v Polyethylene glycol monomethyl ether 5,000 | | | |
| 64. | 0.005 M Cobalt(II) chloride hexahydrate, 0.005 M Nickel(II) chloride hexahydrate, 0.005 M Cadmium chloride hydrate, 0.005 M Magnesium chloride hexahydrate, 0.1 M HEPES pH 7.5, 12% w/v Polyethylene glycol 3,350 | | | |
| 65. | 0.1 M Ammonium acetate, 0.1 M BIS-TRIS pH 5.5, 17% w/v Polyethylene glycol 10,000 | | | |
| 66. | 0.2 M Ammonium sulfate, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 67. | 0.2 M Ammonium sulfate, 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 68. | 0.2 M Ammonium sulfate, 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 69. | 0.2 M Ammonium sulfate, 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 70. | 0.2 M Sodium chloride, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 71. | 0.2 M Sodium chloride, 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 72. | 0.2 M Sodium chloride, 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 73. | 0.2 M Sodium chloride, 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 74. | 0.2 M Lithium sulfate monohydrate, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 75. | 0.2 M Lithium sulfate monohydrate, 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 76. | 0.2 M Lithium sulfate monohydrate, 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 77. | 0.2 M Lithium sulfate monohydrate, 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 78. | 0.2 M Ammonium acetate, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 79. | 0.2 M Ammonium acetate, 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 80. | 0.2 M Ammonium acetate, 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 81. | 0.2 M Ammonium acetate, 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 82. | 0.2 M Magnesium chloride hexahydrate, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 83. | 0.2 M Magnesium chloride hexahydrate, 0.1 M BIS-TRIS pH 6.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 84. | 0.2 M Magnesium chloride hexahydrate, 0.1 M HEPES pH 7.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 85. | 0.2 M Magnesium chloride hexahydrate, 0.1 M Tris pH 8.5, 25% w/v Polyethylene glycol 3,350 | | | |
| 86. | 0.2 M Potassium sodium tartrate tetrahydrate, 20% w/v Polyethylene glycol 3,350 | | | |
| 87. | 0.2 M Sodium malonate pH 7.0, 20% w/v Polyethylene glycol 3,350 | | | |
| 88. | 0.2 M Ammonium citrate tribasic pH 7.0, 20% w/v Polyethylene glycol 3,350 | | | |
| 89. | 0.1 M Succinic acid pH 7.0, 15% w/v Polyethylene glycol 3,350 | | | |
| 90. | 0.2 M Sodium formate, 20% w/v Polyethylene glycol 3,350 | | | |
| 91. | 0.15 M DL-Malic acid pH 7.0, 20% w/v Polyethylene glycol 3,350 | | | |
| 92. | 0.1 M Magnesium formate dihydrate, 15% w/v Polyethylene glycol 3,350 | | | |
| 93. | 0.05 M Zinc acetate dihydrate, 20% w/v Polyethylene glycol 3,350 | | | |
| 94. | 0.2 M Sodium citrate tribasic dihydrate, 20% w/v Polyethylene glycol 3,350 | | | |
| 95. | 0.1 M Potassium thiocyanate, 30% w/v Polyethylene glycol monomethyl ether 2,000 | | | |
| 96. | 0.15 M Potassium bromide, 30% w/v Polyethylene glycol monomethyl ether 2,000 | | | |