Sample: _____ Sample Concentration: _____

Sample Buffer: _____ Date: _____

Reservoir Volume: _____ Temperature: _____

Drop Volume: Total _____ µl Sample _____ µl Reservoir _____ µl Additive _____ µl

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)

Crystal Screen Cryo™ - HR2-122 Scoring Sheet

	Date:	Date:	Date:
1. 0.02 M Calcium chloride dihydrate, 0.1 M Sodium acetate trihydrate pH 4.6, 30% v/v (+/-)-2-Methyl-2,4-pentanediol			
2. 0.26 M Potassium sodium tartrate tetrahydrate, 35% v/v Glycerol			
3. 0.26 M Ammonium phosphate monobasic, 35% v/v Glycerol			
4. 0.075 M TRIS hydrochloride pH 8.5, 1.5 M Ammonium sulfate, 25% v/v Glycerol			
5. 0.2 M Sodium citrate tribasic dihydrate, 0.1 M HEPES sodium pH 7.5, 30% v/v (+/-)-2-Methyl-2,4-pentanediol			
6. 0.16 M Magnesium chloride hexahydrate, 0.08 M TRIS hydrochloride pH 8.5, 24% w/v Polyethylene glycol 4,000, 20% v/v Glycerol			
7. 0.07 M Sodium cacodylate trihydrate pH 6.5, 0.98 M Sodium acetate trihydrate, 30% v/v Glycerol			
8. 0.14 M Sodium citrate tribasic dihydrate, 0.07 M Sodium cacodylate trihydrate pH 6.5, 21% v/v 2-Propanol, 30% v/v Glycerol			
9. 0.17 M Ammonium acetate, 0.085 M Sodium citrate tribasic dihydrate pH 5.6, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
10. 0.17 M Ammonium acetate, 0.085 M Sodium acetate trihydrate pH 4.6, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
11. 0.07 M Sodium citrate tribasic dihydrate pH 5.6, 0.7 M Ammonium phosphate monobasic, 30% v/v Glycerol			
12. 0.18 M Magnesium chloride hexahydrate, 0.09 M HEPES sodium pH 7.5, 27% v/v 2-Propanol, 10% v/v Glycerol			
13. 0.2 M Sodium citrate tribasic dihydrate, 0.1 M TRIS hydrochloride pH 8.5, 30% v/v Polyethylene glycol 400			
14. 0.19 M Calcium chloride dihydrate, 0.095 M HEPES sodium pH 7.5, 26.6% v/v Polyethylene glycol 400, 5% v/v Glycerol			
15. 0.17 M Ammonium sulfate, 0.085 M Sodium cacodylate trihydrate pH 6.5, 25.5% w/v Polyethylene glycol 8,000, 15% v/v Glycerol			
16. 0.075 M HEPES sodium pH 7.5, 1.125 M Lithium sulfate monohydrate, 25% v/v Glycerol			
17. 0.17 M Lithium sulfate monohydrate, 0.085 M TRIS hydrochloride pH 8.5, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
18. 0.16 M Magnesium acetate tetrahydrate, 0.08 M Sodium cacodylate trihydrate pH 6.5, 16% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			
19. 0.16 M Ammonium acetate, 0.08 M TRIS hydrochloride pH 8.5, 24% v/v 2-Propanol, 20% v/v Glycerol			
20. 0.16 M Ammonium sulfate, 0.08 M Sodium acetate trihydrate pH 4.6, 20% w/v Polyethylene glycol 4,000, 20% v/v Glycerol			
21. 0.2 M Magnesium acetate tetrahydrate, 0.1 M Sodium cacodylate trihydrate pH 6.5, 30% v/v (+/-)-2-Methyl-2,4-pentanediol			
22. 0.17 M Sodium acetate trihydrate, 0.085 M TRIS hydrochloride pH 8.5, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
23. 0.2 M Magnesium chloride hexahydrate, 0.1 M HEPES sodium pH 7.5, 30% v/v Polyethylene glycol 400			
24. 0.14 M Calcium chloride dihydrate, 0.07 M Sodium acetate trihydrate pH 4.6, 14% v/v 2-Propanol, 30% v/v Glycerol			
25. 0.07 M Imidazole pH 6.5, 0.7 M Sodium acetate trihydrate, 30% v/v Glycerol			
26. 0.2 M Ammonium acetate, 0.1 M Sodium citrate tribasic dihydrate pH 5.6, 30% v/v (+/-)-2-Methyl-2,4-pentanediol			
27. 0.14 M Sodium citrate tribasic dihydrate, 0.07 M HEPES sodium pH 7.5, 14% v/v 2-Propanol, 30% v/v Glycerol			
28. 0.17 M Sodium acetate trihydrate, 0.085 M Sodium cacodylate trihydrate pH 6.5, 25.5% w/v Polyethylene glycol 8,000, 15% v/v Glycerol			
29. 0.065 M HEPES sodium pH 7.5, 0.52 M Potassium sodium tartrate tetrahydrate, 35% v/v Glycerol			
30. 0.17 M Ammonium sulfate, 25.5% w/v Polyethylene glycol 8,000, 15% v/v Glycerol			
31. 0.17 M Ammonium sulfate, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
32. 1.5 M Ammonium sulfate, 25% v/v Glycerol			
33. 3.6 M Sodium formate, 10% v/v Glycerol			
34. 0.07 M Sodium acetate trihydrate pH 4.6, 1.4 M Sodium formate, 30% v/v Glycerol			
35. 0.075 M HEPES sodium pH 7.5, 0.6 M Sodium phosphate monobasic monohydrate, 0.6 M Potassium phosphate monobasic, 25% v/v Glycerol			
36. 0.065 M TRIS hydrochloride pH 8.5, 5.2% w/v Polyethylene glycol 8,000, 35% v/v Glycerol			
37. 0.07 M Sodium acetate trihydrate pH 4.6, 5.6% w/v Polyethylene glycol 4,000, 30% v/v Glycerol			
38. 0.09 M HEPES sodium pH 7.5, 1.26 M Sodium citrate tribasic dihydrate, 10% v/v Glycerol			
39. 0.085 M HEPES sodium pH 7.5, 1.7% v/v Polyethylene glycol 400, 1.7 M Ammonium sulfate, 15% v/v Glycerol			
40. 0.095 M Sodium citrate tribasic dihydrate pH 5.6, 19% v/v 2-Propanol, 19% w/v Polyethylene glycol 4,000, 5% v/v Glycerol			
41. 0.085 M HEPES sodium pH 7.5, 8.5% v/v 2-Propanol, 17% w/v Polyethylene glycol 4,000, 15% v/v Glycerol			
42. 0.04 M Potassium phosphate monobasic, 16% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			
43. 24% w/v Polyethylene glycol 1,500, 20% v/v Glycerol			
44. 0.1 M Magnesium formate dihydrate, 50% v/v Glycerol			
45. 0.16 M Zinc acetate dihydrate, 0.08 M Sodium cacodylate trihydrate pH 6.5, 14.4% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			
46. 0.16 M Calcium acetate hydrate, 0.08 M Sodium cacodylate trihydrate pH 6.5 , 14.4% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			
47. 0.08 M Sodium acetate trihydrate pH 4.6, 1.6 M Ammonium sulfate, 20% v/v Glycerol			
48. 0.08 M TRIS hydrochloride pH 8.5, 1.6 M Ammonium phosphate monobasic, 20% v/v Glycerol			
49. 0.8 M Lithium sulfate monohydrate, 1.6% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			
50. 0.4 M Lithium sulfate monohydrate, 12% w/v Polyethylene glycol 8,000, 20% v/v Glycerol			

Solutions for Crystal Growth

HAMPTON RESEARCH

34 Journey
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