PEG/Ion Screen (HR2-126) - Scoring Sheet

Sample:	
Buffer:	
Reservoir Volume:	
Drop:	
Temperature:	
Drop:	
Temperature:	

1 Clear Drop
2 Phase Separation
3 Regular Granular Precipitate
4 Birefringent Precipitate
5 Spherulites
6 Needles 1D
7 Plates 2D
8 Xtal <0.2 mm
9 Xtal >0.2 mm

	Date	Date	Date
1. 0.2 M Sodium fluoride, 20% w/v Polyethylene glycol 3,350			
2. 0.2 M Potassium fluoride, 20% w/v Polyethylene glycol 3,350			
3. 0.2 M Ammonium fluoride, 20% w/v Polyethylene glycol 3,350			
4. 0.2 M Lithium chloride, 20% w/v Polyethylene glycol 3,350			
5. 0.2 M Magnesium chloride hexahydrate, 20% w/v Polyethylene glycol 3,350			
6. 0.2 M Sodium chloride, 20% w/v Polyethylene glycol 3,350			
7. 0.2 M Calcium chloride dihydrate, 20% w/v Polyethylene glycol 3,350			
8. 0.2 M Potassium chloride, 20% w/v Polyethylene glycol 3,350			
9. 0.2 M Ammonium chloride, 20% w/v Polyethylene glycol 3,350			
10. 0.2 M Sodium iodide, 20% w/v Polyethylene glycol 3,350			
11. 0.2 M Potassium iodide, 20% w/v Polyethylene glycol 3,350			
12. 0.2 M Ammonium iodide, 20% w/v Polyethylene glycol 3,350			
13. 0.2 M Sodium thiocyanate, 20% w/v Polyethylene glycol 3,350			
14. 0.2 M Potassium thiocyanate, 20% w/v Polyethylene glycol 3,350			
15. 0.2 M Lithium nitrate, 20% w/v Polyethylene glycol 3,350			
16. 0.2 M Magnesium nitrate hexahydrate, 20% w/v Polyethylene glycol 3,350			
17. 0.2 M Sodium nitrate, 20% w/v Polyethylene glycol 3,350			
18. 0.2 M Potassium nitrate, 20% w/v Polyethylene glycol 3,350			
19. 0.2 M Ammonium nitrate, 20% w/v Polyethylene glycol 3,350			
20. 0.2 M Magnesium formate dihydrate, 20% w/v Polyethylene glycol 3,350			
21. 0.2 M Sodium formate, 20% w/v Polyethylene glycol 3,350			
22. 0.2 M Potassium formate, 20% w/v Polyethylene glycol 3,350			
23. 0.2 M Ammonium formate, 20% w/v Polyethylene glycol 3,350			
24. 0.2 M Lithium acetate dihydrate, 20% w/v Polyethylene glycol 3,350			
25. 0.2 M Magnesium acetate tetrahydrate, 20% w/v Polyethylene glycol 3,350			
26. 0.2 M Zinc acetate dihydrate, 20% w/v Polyethylene glycol 3,350			
27. 0.2 M Sodium acetate trihydrate, 20% w/v Polyethylene glycol 3,350			
28. 0.2 M Calcium acetate hydrate, 20% w/v Polyethylene glycol 3,350			
29. 0.2 M Potassium acetate, 20% w/v Polyethylene glycol 3,350			
30. 0.2 M Ammonium acetate, 20% w/v Polyethylene glycol 3,350			
31. 0.2 M Lithium sulfate monohydrate, 20% w/v Polyethylene glycol 3,350			
32. 0.2 M Magnesium sulfate heptahydrate, 20% w/v Polyethylene glycol 3,350			
33. 0.2 M Sodium sulfate decahydrate, 20% w/v Polyethylene glycol 3,350			
34. 0.2 M Potassium sulfate, 20% w/v Polyethylene glycol 3,350			
35. 0.2 M Ammonium sulfate, 20% w/v Polyethylene glycol 3,350			
36. 0.2 M Sodium tartrate dibasic dihydrate, 20% w/v Polyethylene glycol 3,350			
37. 0.2 M Potassium sodium tartrate tetrahydrate, 20% w/v Polyethylene glycol 3,350			
38. 0.2 M Ammonium tartrate dibasic, 20% w/v Polyethylene glycol 3,350			
39. 0.2 M Sodium phosphate monobasic monohydrate, 20% w/v Polyethylene glycol 3,350			
40. 0.2 M Sodium phosphate dibasic dihydrate, 20% w/v Polyethylene glycol 3,350			
41. 0.2 M Potassium phosphate monobasic, 20% w/v Polyethylene glycol 3,350			
42. 0.2 M Potassium phosphate dibasic, 20% w/v Polyethylene glycol 3,350			
43. 0.2 M Ammonium phosphate monobasic, 20% w/v Polyethylene glycol 3,350			
44. 0.2 M Ammonium phosphate dibasic, 20% w/v Polyethylene glycol 3,350			
45. 0.2 M Lithium citrate tribasic tetrahydrate, 20% w/v Polyethylene glycol 3,350			
46. 0.2 M Sodium citrate tribasic dihydrate, 20% w/v Polyethylene glycol 3,350			
47. 0.2 M Potassium citrate tribasic monohydrate, 20% w/v Polyethylene glycol 3,350			
48. 0.2 M Ammonium citrate dibasic, 20% w/v Polyethylene glycol 3,350			

Crystal Screen Cryo (HR2-122) - Scoring Sheet

Sample:	
Buffer:	
Reservoir Volume:	
Drop:	
Temperature:	
Drop:	
Temperature:	

1 Clear Drop
2 Phase Separation
3 Regular Granular Precipitate
4 Birefringent Precipitate
5 Spherulites

	Date	Date
1. 30% MPD, 0.1 M Na Acetate pH 4.6, 0.02 M Calcium Chloride		
2. 0.26 M Potassium Sodium Tartrate, 35% Glycerol		
3. 0.26 M Ammonium Phosphate, 35% Glycerol		
4. 1.5 M Ammonium Sulfate, 0.075 M Tris HCl pH 8.5, 25% Glycerol		
5. 30% MPD, 0.1 M HEPES - Na pH 7.5, 0.2 M Sodium Citrate		
6. 24% PEG 4000, 0.08 M Tris HCl pH 8.5, 0.16 M Magnesium Chloride, 20% Glycerol		
7. 0.98 M Sodium Acetate, 0.07 M Na Cacodylate pH 6.5, 30% Glycerol		
8. 21% iso-Propanol, 0.07 M Na Cacodylate pH 6.5, 0.14 M Sodium Citrate, 30% Glycerol		
9. 25.5% PEG 4000, 0.085 M Na Citrate pH 5.6, 0.17 M Ammonium Acetate, 15% Glycerol		
10. 25.5% PEG 4000, 0.085 M Na Acetate pH 4.6, 0.17 M Ammonium Acetate, 15% Glycerol		
11. 0.7 M Ammonium Phosphate, 0.07 M Na Citrate pH 5.6, 30% Glycerol		
12. 27% iso-Propanol, 0.09 M HEPES - Na pH 7.5, 0.18 M Magnesium Chloride, 10% Glycerol		
13. 30% PEG 400, 0.1 M Tris HCl pH 8.5, 0.2 M Sodium Citrate		
14. 26.6% PEG 400, 0.095 M HEPES - Na pH 7.5, 0.19 M Calcium Chloride, 5% Glycerol		
15. 25.5% PEG 8000, 0.085 M Na Cacodylate pH 6.5, 0.17 M Ammonium Sulfate, 15% Glycerol		
16. 1.125 M Lithium Sulfate, 0.075 M HEPES - Na pH 7.5, 25% Glycerol		
17. 25.5% PEG 4000, 0.085 M Tris HCl pH 8.5, 0.17 M Lithium Sulfate, 15% Glycerol		
18. 16% PEG 8000, 0.08 M Na Cacodylate pH 6.5, 0.16 M Magnesium Acetate, 20% Glycerol		
19. 24% iso-Propanol, 0.08 M Tris HCl pH 8.5, 0.16 M Ammonium Acetate, 20% Glycerol		
20. 20% PEG 4000, 0.08 M Na Acetate pH 4.6, 0.16 M Ammonium Sulfate, 20% Glycerol		
21. 30% MPD, 0.1 M Na Cacodylate pH 6.5, 0.2 M Magnesium Acetate		
22. 25.5% PEG 4000, 0.085 M Tris HCl pH 8.5, 0.17 M Sodium Acetate, 15% Glycerol		
23. 30% PEG 400, 0.1 M HEPES - Na pH 7.5, 0.2 M Magnesium Chloride		
24. 14% iso-Propanol, 0.07 M Na Acetate pH 4.6, 0.14 M Calcium Chloride, 30% Glycerol		
25. 0.7 M Sodium Acetate, 0.07 M Imidazole pH 6.5, 30% Glycerol		
26. 30% MPD, 0.1 M Na Citrate pH 5.6, 0.2 M Ammonium Acetate		
27. 14% iso-Propanol, 0.07 M HEPES - Na pH 7.5, 0.14 M Sodium Citrate, 30% Glycerol		
28. 25.5% PEG 8000, 0.085 M Na Cacodylate pH 6.5, 0.17 M Sodium Acetate, 15% Glycerol		
29. 0.52 M Potassium Sodium Tartrate, 0.065 M HEPES - Na pH 7.5, 35% Glycerol		
30. 25.5% PEG 8000, 0.17 M Ammonium Sulfate, 15% Glycerol		
31. 25.5% PEG 4000, 0.17 M Ammonium Sulfate, 15% Glycerol		
32. 1.5 M Ammonium Sulfate, 25% Glycerol		
33. 3.6 M Sodium Formate, 10% Glycerol		
34. 1.4 M Sodium Formate, 0.07 M Na Acetate pH 4.6, 30% Glycerol		
35. 0.6 M Na Phosphate, 0.6 M K Phosphate, 0.075 M Na Hepes pH 7.5, 25% Glycerol		
36. 5.2% PEG 8000, 0.065 M Tris HCl pH 8.5, 35% Glycerol		
37. 5.6% PEG 4000, 0.07 M Na Acetate pH 4.6, 30% Glycerol		
38. 1.26 M Sodium Citrate, 0.09 M HEPES - Na pH 7.5, 10% Glycerol		
39. 1.7% PEG 400, 0.085 M HEPES - Na pH 7.5, 1.7 M Ammonium Sulfate, 15% Glycerol		
40. 19% iso-Propanol, 0.095 M Na Citrate pH 5.6, 19% PEG 4000, 5% Glycerol		
41. 8.5% iso-Propanol, 0.085 M HEPES - Na pH 7.5, 17% PEG 4000, 15% Glycerol		
42. 16% PEG 8000, 0.04 M Potassium Phosphate, 20% Glycerol		
43. 24% PEG 1500, 20% Glycerol		
44. 0.1 M Magnesium Formate, 50% Glycerol		
45. 14.4% PEG 8000, 0.08 M Na Cacodylate pH 6.5, 0.16 M Zinc Acetate, 20% Glycerol		
46. 14.4% PEG 8000, 0.08 M Na Cacodylate pH 6.5, 0.16 M Calcium Acetate, 20% Glycerol		
47. 1.6 M Ammonium Sulfate, 0.08 M Na Acetate pH 4.6, 20% Glycerol		
48. 1.6 M Ammonium Phosphate, 0.08 M Tris HCl pH 8.5, 20% Glycerol		

49. 1.6% PEG 8000, 0.8 M Lithium Sulfate, 20% Glycerol		
50. 12% PEG 8000, 0.4 M Lithium Sulfate, 20% Glycerol		

6 Needles 1D
7 Plates 2D
8 Xtal <0.2 mm
9 Xtal >0.2 mm

Date