

Crystal Screen Cryo HT (HR2-133) - Scoring Sheet

| Sample: | 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 | |
|--|--|---|------|
| Buffer: | | | |
| Reservoir Volume: | | | |
| Drop: | | | |
| Temperature: | | | |
| Drop: | | | |
| Temperature: | | | |
| | Date | Date | Date |
| A1. 0.02 M Calcium chloride dihydrate, 0.1 M Sodium acetate trihydrate pH 4.6, 30% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| A2. 0.26 M Potassium sodium tartrate tetrahydrate, 35% v/v Glycerol | | | |
| A3. 0.26 M Ammonium phosphate monobasic, 35% v/v Glycerol | | | |
| A4. 0.075 M TRIS hydrochloride pH 8.5, 1.5 M Ammonium sulfate, 25% v/v Glycerol | | | |
| A5. 0.2 M Sodium citrate tribasic dihydrate, 0.1 M HEPES sodium pH 7.5, 30% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| A6. 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 | | | |
| A7. 0.07 M Sodium cacodylate trihydrate pH 6.5, 0.98 M Sodium acetate trihydrate, 30% v/v Glycerol | | | |
| A8. 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 | | | |
| A9. 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 | | | |
| A10. 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 | | | |
| A11. 0.07 M Sodium citrate tribasic dihydrate pH 5.6, 0.7 M Ammonium phosphate monobasic, 30% v/v Glycerol | | | |
| A12. 0.18 M Magnesium chloride hexahydrate, 0.09 M HEPES sodium pH 7.5, 27% v/v 2-Propanol, 10% v/v Glycerol | | | |
| B1. 0.2 M Sodium citrate tribasic dihydrate, 0.1 M TRIS hydrochloride pH 8.5, 30% v/v Polyethylene glycol 400 | | | |
| B2. 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 | | | |
| B3. 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 | | | |
| B4. 0.075 M HEPES sodium pH 7.5, 1.125 M Lithium sulfate monohydrate, 25% v/v Glycerol | | | |

| | | | |
|---|--|--|--|
| B5. 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 | | | |
| B6. 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 | | | |
| B7. 0.16 M Ammonium acetate, 0.08 M TRIS hydrochloride pH 8.5, 24% v/v 2-Propanol, 20% v/v Glycerol | | | |
| B8. 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 | | | |
| B9. 0.2 M Magnesium acetate tetrahydrate, 0.1 M Sodium cacodylate trihydrate pH 6.5, 30% v/v (+/-)-2-Methyl-2,4-pentenediol | | | |
| B10. 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 | | | |
| B11. 0.2 M Magnesium chloride hexahydrate, 0.1 M HEPES sodium pH 7.5, 30% v/v Polyethylene glycol 400 | | | |
| B12. 0.14 M Calcium chloride dihydrate, 0.07 M Sodium acetate trihydrate pH 4.6, 14% v/v 2-Propanol, 30% v/v Glycerol | | | |
| C1. 0.07 M Imidazole pH 6.5, 0.7 M Sodium acetate trihydrate, 30% v/v Glycerol | | | |
| C2. 0.2 M Ammonium acetate, 0.1 M Sodium citrate tribasic dihydrate pH 5.6, 30% v/v (+/-)-2-Methyl-2,4-pentenediol | | | |
| C3. 0.14 M Sodium citrate tribasic dihydrate, 0.07 M HEPES sodium pH 7.5, 14% v/v 2-Propanol, 30% v/v Glycerol glycol 8,000, 15% v/v Glycerol | | | |
| C5. 0.065 M HEPES sodium pH 7.5, 0.52 M Potassium sodium tartrate tetrahydrate, 35% v/v Glycerol | | | |
| C6. 0.17 M Ammonium sulfate, 25.5% w/v Polyethylene glycol 8,000, 15% v/v Glycerol | | | |
| C7. 0.17 M Ammonium sulfate, 25.5% w/v Polyethylene glycol 4,000, 15% v/v Glycerol | | | |
| C8. 1.5 M Ammonium sulfate, 25% v/v Glycerol | | | |
| C9. 3.6 M Sodium formate, 10% v/v Glycerol | | | |
| C10. 0.07 M Sodium acetate trihydrate pH 4.6, 1.4 M Sodium formate, 30% v/v Glycerol | | | |
| C11. 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 | | | |
| C12. 0.065 M TRIS hydrochloride pH 8.5, 5.2% w/v Polyethylene glycol 8,000, 35% v/v Glycerol | | | |
| D1. 0.07 M Sodium acetate trihydrate pH 4.6, 5.6% w/v Polyethylene glycol 4,000, 30% v/v Glycerol | | | |
| D2. 0.09 M HEPES sodium pH 7.5, 1.26 M Sodium citrate tribasic dihydrate, 10% v/v Glycerol | | | |
| D3. 0.085 M HEPES sodium pH 7.5, 1.7 M Ammonium sulfate, 1.7% w/v Polyethylene glycol 400, 15% v/v Glycerol v/v Glycerol | | | |

| | | | | |
|------|---|--|--|--|
| D5. | 0.085 M HEPES sodium pH 7.5, 17% w/v Polyethylene glycol 4,000, 8.5% v/v 2-Propanol, 15% v/v Glycerol | | | |
| D6. | 0.04 M Potassium phosphate monobasic, 16% w/v Polyethylene glycol 8,000, 20% v/v Glycerol | | | |
| D7. | 24% w/v Polyethylene glycol 1,500, 20% v/v Glycerol | | | |
| D8. | 0.1 M Magnesium formate dihydrate, 50% v/v Glycerol | | | |
| D9. | 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 | | | |
| D10. | 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 | | | |
| D11. | 0.08 M Sodium acetate trihydrate pH 4.6, 1.6 M Ammonium sulfate, 20% v/v Glycerol | | | |
| D12. | 0.08 M TRIS hydrochloride pH 8.5, 1.6 M Ammonium phosphate monobasic, 20% v/v Glycerol | | | |
| E1. | 1.6 M Sodium chloride, 8% w/v Polyethylene glycol 6,000, 20% v/v Glycerol | | | |
| E2. | 0.3 M Sodium chloride, 0.006 M Magnesium chloride hexahydrate, 0.006 M Hexadecyltrimethylammonium bromide, 40% v/v Glycerol | | | |
| E3. | 21.25% v/v Ethylene glycol, 15% v/v Glycerol | | | |
| E4. | 26.25% v/v 1,4-Dioxane, 25% v/v Glycerol | | | |
| E5. | 1.5 M Ammonium sulfate, 3.75% v/v 2-Propanol, 25% v/v Glycerol | | | |
| E6. | 0.65 M Imidazole pH 7.0, 35% v/v Glycerol | | | |
| E7. | 8% w/v Polyethylene glycol 1,000, 8% w/v Polyethylene glycol 8,000, 20% v/v Glycerol | | | |
| E8. | 1.05 M Sodium chloride, 7% v/v Ethanol, 30% v/v Glycerol | | | |
| E9. | 0.075 M Sodium acetate trihydrate pH 4.6, 1.5 M Sodium chloride, 25% v/v Glycerol | | | |
| E10. | 0.2 M Sodium chloride, 0.1 M Sodium acetate trihydrate pH 4.6, 30% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| E11. | 0.008 M Cobalt(II) chloride hexahydrate, 0.08 M Sodium acetate trihydrate pH 4.6, 0.8 M 1,6-Hexanediol, 20% v/v Glycerol | | | |
| E12. | 0.095 M Cadmium chloride hydrate, 0.095 M Sodium acetate trihydrate pH 4.6, 28.5% v/v Polyethylene glycol 400, 5% v/v Glycerol | | | |
| F1. | 0.18 M Ammonium sulfate, 0.09 M Sodium acetate trihydrate pH 4.6, 27% w/v Polyethylene glycol monomethyl ether 2,000, 10% v/v Glycerol | | | |
| F2. | 0.15 M Potassium sodium tartrate tetrahydrate, 0.075 M Sodium citrate tribasic dihydrate pH 5.6, 1.5 M Ammonium sulfate, 25% v/v Glycerol | | | |
| F3. | 0.375 M Ammonium sulfate, 0.075 M Sodium citrate tribasic dihydrate pH 5.6, 0.75 M Lithium sulfate monohydrate, 25% v/v Glycerol | | | |
| F4. | 0.3 M Sodium chloride, 0.06 M Sodium citrate tribasic dihydrate pH 5.6, 1.2% v/v Ethylene imine polymer, 40% v/v Glycerol | | | |
| F5. | 0.08 M Sodium citrate tribasic dihydrate pH 5.6, 28% v/v tert-Butanol, 20% v/v Glycerol | | | |

| | | | | |
|------|--|--|--|--|
| F6. | 0.007 M Iron(III) chloride hexahydrate, 0.07 M Sodium citrate tribasic dihydrate pH 5.6, 7% v/v Jeffamine M-600, 30% v/v Glycerol | | | |
| F7. | 0.095 M Sodium citrate tribasic dihydrate pH 5.6, 2.375 M 1,6-Hexanediol, 5% v/v Glycerol | | | |
| F8. | 0.08 M MES monohydrate pH 6.5, 1.28 M Magnesium sulfate heptahydrate, 20% v/v Glycerol | | | |
| F9. | 0.075 M Sodium phosphate monobasic monohydrate, 0.075 M Potassium phosphate monobasic, 0.075 M MES monohydrate pH 6.5, 1.5 M Sodium chloride, 25% v/v Glycerol | | | |
| F10. | 0.065 M MES monohydrate pH 6.5, 7.8% w/v Polyethylene glycol 20,000, 35% v/v Glycerol | | | |
| F11. | 1.2 M Ammonium sulfate, 0.075 M MES monohydrate pH 6.5, 7.5% v/v 1,4-Dioxane, 25% v/v Glycerol | | | |
| F12. | 0.05 M Cesium chloride, 0.1 M MES monohydrate pH 6.5, 30% v/v Jeffamine M-600 | | | |
| G1. | 0.0075 M Cobalt(II) chloride hexahydrate, 0.075 M MES monohydrate pH 6.5, 1.35 M Ammonium sulfate , 25% v/v Glycerol | | | |
| G2. | 0.18 M Ammonium sulfate, 0.09 M MES monohydrate pH 6.5, 27% w/v Polyethylene glycol monomethyl ether 5,000, 10% v/v Glycerol | | | |
| G3. | 0.009 M Zinc sulfate heptahydrate, 0.09 M MES monohydrate pH 6.5, 22.5% v/v Polyethylene glycol monomethyl ether 550, 10% v/v Glycerol | | | |
| G4. | 1.6 M Sodium citrate tribasic dihydrate pH 6.5 | | | |
| G5. | 0.5 M Ammonium sulfate, 0.1 M HEPES pH 7.5, 30% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| G6. | 0.08 M HEPES pH 7.5, 8% w/v Polyethylene glycol 6,000, 4% v/v (+/-)-2-Methyl-2,4-pentanediol, 20% v/v Glycerol | | | |
| G7. | 0.085 M HEPES pH 7.5, 17% v/v Jeffamine M-600, 15% v/v Glycerol | | | |
| G8. | 0.075 M Sodium chloride, 0.075 M HEPES pH 7.5, 1.2 M Ammonium sulfate , 25% v/v Glycerol | | | |
| G9. | 0.07 M HEPES pH 7.5, 1.4 M Ammonium formate, 30% v/v Glycerol | | | |
| G10. | 0.0375 M Cadmium sulfate hydrate, 0.075 M HEPES pH 7.5, 0.75 M Sodium acetate trihydrate, 25% v/v Glycerol | | | |
| G11. | 0.1 M HEPES pH 7.5, 70% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| G12. | 0.085 M HEPES pH 7.5, 3.655 M Sodium chloride, 15% v/v Glycerol | | | |
| H1. | 0.075 M HEPES pH 7.5, 7.5% w/v Polyethylene glycol 8,000, 6% v/v Ethylene glycol, 25% v/v Glycerol | | | |
| H2. | 0.075 M HEPES pH 7.5, 15% w/v Polyethylene glycol 10,000, 25% v/v Glycerol | | | |
| H3. | 0.2 M Magnesium chloride hexahydrate, 0.1 M Tris pH 8.5, 3.4 M 1,6-Hexanediol | | | |
| H4. | 0.075 M Tris pH 8.5, 18.75% v/v tert-Butanol, 25% v/v Glycerol | | | |
| H5. | 0.0075 M Nickel(II) chloride hexahydrate, 0.075 M Tris pH 8.5, 0.75 M Lithium sulfate monohydrate, 25% v/v Glycerol | | | |
| H6. | 1.275 M Ammonium sulfate, 0.085 M Tris pH 8.5, 25.2% v/v Glycerol | | | |

| | | | |
|---|--|--|--|
| H7. 0.2 M Ammonium phosphate monobasic, 0.1 M Tris pH 8.5, 50% v/v (+/-)-2-Methyl-2,4-pentanediol | | | |
| H8. 0.075 M Tris pH 8.5, 15% v/v Ethanol, 25% v/v Glycerol | | | |
| H9. 0.008 M Nickel(II) chloride hexahydrate, 0.08 M Tris pH 8.5, 16% w/v Polyethylene glycol monomethyl ether 2,000, 20% v/v Glycerol | | | |
| H10. 0.085 M Sodium chloride, 0.085 M BICINE pH 9.0, 17% v/v Polyethylene glycol monomethyl ether 550, 15% v/v Glycerol | | | |
| H11. 0.095 M BICINE pH 9.0, 1.9 M Magnesium chloride hexahydrate, 5% v/v Glycerol | | | |
| H12. 0.07 M BICINE pH 9.0, 1.4% v/v 1,4-Dioxane, 7% w/v Polyethylene glycol 20,000, 30% v/v Glycerol | | | |

