

# Scoring Sheet — The Cryos Suite

Date:	Protein:	Protein vol.:	$\mu$ l
Operator:	Buffer:	Solution vol.:	$\mu$ l
Plate ID:	Additives:	Additive vol.:	$\mu$ l

Date of observation

Location	Crystallization condition						
A1	1,A1	0.0085 M Cobalt chloride, 0.085 M Sodium acetate pH 4.6, 0.85 M 1,6-Hexanediol, 15% (v/v) Glycerol					
A2	1,A2	0.085 M tri-Sodium citrate pH 5.6, 2.125 M 1,6-Hexanediol, 15% (v/v) Glycerol					
A3	1,A3	0.17 M Magnesium chloride, 0.085 M Tris pH 8.5, 2.89 M 1,6-Hexanediol, 15% (v/v) Glycerol					
A4	1,A4	1.7 M Ammonium sulfate, 4.25% (v/v) Isopropanol, 15% (v/v) Glycerol					
A5	1,A5	0.085 M HEPES sodium salt pH 7.5, 8.5% (v/v) Isopropanol, 17% (w/v) PEG 4000, 15% (v/v) Glycerol					
A6	1,A6	0.14 M Calcium chloride, 0.07 M Sodium acetate pH 4.6, 14% (v/v) Isopropanol, 30% (v/v) Glycerol					
A7	1,B1	0.095 M tri-Sodium citrate pH 5.6, 19% (v/v) Isopropanol, 19% (w/v) PEG 4000, 5% (v/v) Glycerol					
A8	1,B2	0.14 M tri-Sodium citrate, 0.07 M HEPES sodium salt pH 7.5, 14% (v/v) Isopropanol, 30% (v/v) Glycerol					
A9	1,B3	0.14 M tri-Sodium citrate, 0.07 M Sodium cacodylate pH 6.5, 21% (v/v) Isopropanol, 30% (v/v) Glycerol					
A10	1,B4	0.18 M Magnesium chloride, 0.09 M HEPES sodium salt pH 7.5, 27% (v/v) Isopropanol, 10% (v/v) Glycerol					
A11	1,B5	0.16 M Ammonium acetate, 0.08 M Tris-HCl pH 8.5, 24% (v/v) Isopropanol, 20% (v/v) Glycerol					
A12	1,B6	1.275 M Sodium chloride, 8.5% (v/v) Ethanol, 15% (v/v) Glycerol					
B1	1,C1	0.085 M Tris pH 8.5, 17% (v/v) Ethanol, 15% (v/v) Glycerol					
B2	1,C2	21.25% (v/v) Ethylene glycol, 15% (v/v) Glycerol					
B3	1,C3	0.018 M Calcium chloride, 0.09 M Sodium acetate pH 4.6, 27% (v/v) MPD, 10% (v/v) Glycerol					
B4	1,C4	0.17 M Sodium chloride, 0.085 M Sodium acetate pH 4.6, 25.5% (v/v) MPD, 15% (v/v) Glycerol					
B5	1,C5	0.18 M Ammonium acetate, 0.09 M tri-Sodium citrate pH 5.6, 27% (v/v) MPD, 10% (v/v) Glycerol					
B6	1,C6	0.18 M Magnesium acetate, 0.09 M Sodium cacodylate pH 6.5, 27% (v/v) MPD, 10% (v/v) Glycerol					
B7	1,D1	0.18 M tri-Sodium citrate, 0.09 M HEPES sodium salt pH 7.5, 27% (v/v) MPD, 10% (v/v) Glycerol					
B8	1,D2	0.425 M Ammonium sulfate, 0.085 M HEPES pH 7.5, 25.5% (v/v) MPD, 15% (v/v) Glycerol					
B9	1,D3	0.17 M Ammonium phosphate, 0.085 M Tris pH 8.5, 42.5% (v/v) MPD, 15% (v/v) Glycerol					
B10	1,D4	0.085 M HEPES pH 7.5, 59.5% (v/v) MPD, 15% (v/v) Glycerol					
B11	1,D5	0.085 M Tris pH 8.5, 21.25% (v/v) tert-Butanol, 15% (v/v) Glycerol					
B12	1,D6	0.085 M tri-Sodium citrate pH 5.6, 29.75% (v/v) tert-Butanol, 15% (v/v) Glycerol					
C1	2,A1	0.26 M Ammonium phosphate, 35% (v/v) Glycerol					
C2	2,A2	0.07 M tri-Sodium citrate pH 5.6, 0.7 M Ammonium phosphate, 30% (v/v) Glycerol					
C3	2,A3	0.08 M Tris-HCl pH 8.5, 1.6 M Ammonium phosphate, 20% (v/v) Glycerol					
C4	2,A4	0.085 M HEPES pH 7.5, 1.7 M Ammonium formate, 15% (v/v) Glycerol					
C5	2,A5	0.08 M Sodium acetate pH 4.6, 1.6 M Ammonium sulfate, 20% (v/v) Glycerol					
C6	2,A6	0.075 M Tris-HCl pH 8.5, 1.5 M Ammonium sulfate, 25% (v/v) Glycerol					
C7	2,B1	1.5 M Ammonium sulfate, 25% (v/v) Glycerol					
C8	2,B2	0.085 M Sodium chloride, 0.085 M HEPES pH 7.5, 1.36 M Ammonium sulfate, 15% (v/v) Glycerol					
C9	2,B3	0.0085 M Cobalt chloride, 0.085 M MES pH 6.5, 1.53 M Ammonium sulfate, 15% (v/v) Glycerol					
C10	2,B4	0.17 M K/Na tartrate, 0.085 M tri-Sodium citrate pH 5.6, 1.7 M Ammonium sulfate, 15% (v/v) Glycerol					
C11	2,B5	0.85 M Imidazole pH 7.0, 15% (v/v) Glycerol					
C12	2,B6	0.26 M K/Na tartrate, 35% (v/v) Glycerol					
D1	2,C1	0.065 M HEPES sodium salt pH 7.5, 0.52 M K/Na tartrate, 35% (v/v) Glycerol					
D2	2,C2	0.07 M Imidazole pH 6.5, 0.7 M Sodium acetate, 30% (v/v) Glycerol					
D3	2,C3	0.0425 M Cadmium sulfate, 0.085 M HEPES pH 7.5, 0.85 M Sodium acetate, 15% (v/v) Glycerol					
D4	2,C4	0.07 M Sodium cacodylate pH 6.5, 0.98 M Sodium acetate, 30% (v/v) Glycerol					
D5	2,C5	0.085 M Sodium acetate pH 4.6, 1.7 M Sodium chloride, 15% (v/v) Glycerol					
D6	2,C6	0.085 M Sodium phosphate, 0.085 M Potassium phosphate, 0.085 M MES pH 6.5, 1.7 M Sodium chloride, 15% (v/v) Glycerol					
D7	2,D1	0.085 M HEPES pH 7.5, 3.655 M Sodium chloride, 15% (v/v) Glycerol					
D8	2,D2	0.09 M HEPES sodium salt pH 7.5, 1.26 M tri-Sodium citrate, 10% (v/v) Glycerol					
D9	2,D3	1.36 M tri-Sodium citrate pH 6.5, 15% (v/v) Glycerol					
D10	2,D4	0.6 M Sodium phosphate, 0.6 M Potassium phosphate, 0.075 M HEPES sodium salt pH 7.5, 25% (v/v) Glycerol					
D11	2,D5	0.07 M Sodium acetate pH 4.6, 1.4 M Sodium formate, 30% (v/v) Glycerol					
D12	2,D6	3.6 M Sodium formate, 10% (v/v) Glycerol					



Location	Crystallization condition						
E1	3,A1	0.085 M Bicine pH 9, 1.7% (v/v) Dioxane, 8.5% (w/v) PEG 20000, 15% (v/v) Glycerol					
E2	3,A2	1.36 M Ammonium sulfate, 0.085 M MES pH 6.5, 8.5% (v/v) Dioxane, 15% (v/v) Glycerol					
E3	3,A3	29.75% (v/v) Dioxane, 15% (v/v) Glycerol					
E4	3,A4	0.425 M Sodium chloride, 0.085 M tri-Sodium citrate pH 5.6, 1.7% (v/v) Ethylene imine polymer, 15% (v/v) Glycerol					
E5	3,A5	1.275 M Ammonium sulfate, 0.085 M Tris pH 8.5, 10.2% (v/v) Glycerol, 15% (v/v) Glycerol					
E6	3,A6	0.425 M Sodium chloride, 0.085 M Magnesium chloride, 0.0085 M CTAB, 15% (v/v) Glycerol					
E7	3,B1	0.0085 M Ferric chloride, 0.085 M tri-Sodium citrate pH 5.6, 8.5% (v/v) Jeffamine M-600, 15% (v/v) Glycerol					
E8	3,B2	0.085 M HEPES pH 7.5, 17% (v/v) Jeffamine M-600, 15% (v/v) Glycerol					
E9	3,B3	0.425 M Ammonium sulfate, 0.085 M tri-Sodium citrate pH 5.6, 0.85 M Lithium sulfate, 15% (v/v) Glycerol					
E10	3,B4	0.0085 M Nickel chloride, 0.085 M Tris pH 8.5, 0.85 M Lithium sulfate, 15% (v/v) Glycerol					
E11	3,B5	0.075 M HEPES sodium salt pH 7.5, 1.125 M Lithium sulfate, 25% (v/v) Glycerol					
E12	3,B6	0.085 M Bicine pH 9.0, 1.7 M Magnesium chloride, 15% (v/v) Glycerol					
F1	3,C1	0.17 M Magnesium formate, 15% (v/v) Glycerol					
F2	3,C2	0.085 M MES pH 6.5, 1.36 M Magnesium sulfate, 15% (v/v) Glycerol					
F3	3,C3	0.065 M Tris-HCl pH 8.5, 5.2% (w/v) PEG 8000, 35% (v/v) Glycerol					
F4	3,C4	0.085 M HEPES pH 7.5, 8.5% (w/v) PEG 8000, 15% (v/v) Glycerol					
F5	3,C5	0.4 M Lithium sulfate, 12% (w/v) PEG 8000, 20% (v/v) Glycerol					
F6	3,C6	0.16 M Zinc acetate, 0.08 M Sodium cacodylate pH 6.5, 14.4% (w/v) PEG 8000, 20% (v/v) Glycerol					
F7	3,D1	0.16 M Calcium acetate, 0.08 M Sodium cacodylate pH 6.5, 14.4% (w/v) PEG 8000, 20% (v/v) Glycerol					
F8	3,D2	0.16 M Magnesium acetate, 0.08 M Sodium cacodylate pH 6.5, 16% (w/v) PEG 8000, 20% (v/v) Glycerol					
F9	3,D3	0.04 M Potassium phosphate, 16% (w/v) PEG 8000, 20% (v/v) Glycerol					
F10	3,D4	0.17 M Ammonium sulfate, 0.085 M Sodium cacodylate pH 6.5, 25.5% (w/v) PEG 8000, 15% (v/v) Glycerol					
F11	3,D5	0.17 M Sodium acetate, 0.085 M Sodium cacodylate pH 6.5, 25.5% (w/v) PEG 8000, 15% (v/v) Glycerol					
F12	3,D6	0.17 M Ammonium sulfate, 25.5% (w/v) PEG 8000, 15% (v/v) Glycerol					
G1	4,A1	1.7 M Ammonium sulfate, 0.085 M HEPES sodium salt pH 7.5, 1.7% (v/v) PEG 400, 15% (v/v) Glycerol					
G2	4,A2	0.19 M Calcium chloride, 0.095 M HEPES sodium salt pH 7.5, 26.6% (v/v) PEG 400, 5% (v/v) Glycerol					
G3	4,A3	0.085 M Cadmium chloride, 0.085 M Sodium acetate pH 4.6, 25.5% (v/v) PEG 400, 15% (v/v) Glycerol					
G4	4,A4	0.18 M Magnesium chloride, 0.09 M HEPES sodium salt pH 7.5, 27% (v/v) PEG 400, 10% (v/v) Glycerol					
G5	4,A5	0.18 M tri-Sodium citrate, 0.09 M Tris-HCl pH 8.5, 27% (v/v) PEG 400, 10% (v/v) Glycerol					
G6	4,A6	0.085 M Sodium chloride, 0.085 M Bicine pH 9.0, 17% (w/v) PEG 550 MME, 15% (v/v) Glycerol					
G7	4,B1	0.0085 M Zinc sulfate, 0.085 M MES pH 6.5, 21.25% (w/v) PEG 550 MME, 15% (v/v) Glycerol					
G8	4,B2	8.5% (w/v) PEG 1000, 8.5% (w/v) PEG 8000, 15% (v/v) Glycerol					
G9	4,B3	24% (w/v) PEG 1500, 20% (v/v) Glycerol					
G10	4,B4	0.0085 M Nickel chloride, 0.085 M Tris pH 8.5, 17% (w/v) PEG 2000 MME, 15% (v/v) Glycerol					
G11	4,B5	0.17 M Ammonium sulfate, 0.085 M Sodium acetate pH 4.6, 25.5% (w/v) PEG 2000 MME, 15% (v/v) Glycerol					
G12	4,B6	0.07 M Sodium acetate pH 4.6, 5.6% (w/v) PEG 4000, 30% (v/v) Glycerol					
H1	4,C1	0.16 M Ammonium sulfate, 0.08 M Sodium acetate pH 4.6, 20% (w/v) PEG 4000, 20% (v/v) Glycerol					
H2	4,C2	0.17 M Ammonium acetate, 0.085 M Sodium acetate pH 4.6, 25.5% (w/v) PEG 4000, 15% (v/v) Glycerol					
H3	4,C3	0.17 M Ammonium acetate, 0.085 M tri-Sodium citrate pH 5.6, 25.5% (w/v) PEG 4000, 15% (v/v) Glycerol					
H4	4,C4	0.16 M Magnesium chloride, 0.08 M Tris-HCl pH 8.5, 24% (w/v) PEG 4000, 20% (v/v) Glycerol					
H5	4,C5	0.17 M Lithium sulfate, 0.085 M Tris-HCl pH 8.5, 25.5% (w/v) PEG 4000, 15% (v/v) Glycerol					
H6	4,C6	0.17 M Sodium acetate, 0.085 M Tris-HCl pH 8.5, 25.5% (w/v) PEG 4000, 15% (v/v) Glycerol					
H7	4,D1	0.17 M Ammonium sulfate, 25.5% (w/v) PEG 4000, 15% (v/v) Glycerol					
H8	4,D2	0.17 M Ammonium sulfate, 0.085 M MES pH 6.5, 25.5% (w/v) PEG 5000 MME, 15% (v/v) Glycerol					
H9	4,D3	0.085 M HEPES pH 7.5, 8.5% (w/v) PEG 6000, 4.25% (v/v) MPD, 15% (v/v) Glycerol					
H10	4,D4	1.6 M Sodium chloride, 8% (w/v) PEG 6000, 20% (v/v) Glycerol					
H11	4,D5	0.085 M HEPES pH 7.5, 17% (w/v) PEG 10000, 6.8% (v/v) Ethylene glycol, 15% (v/v) Glycerol					
H12	4,D6	0.085 M MES pH 6.5, 10.2% (w/v) PEG 20000, 15% (v/v) Glycerol					

## Order EasyXtal and NeXtal products online at [www.qiagen.com/crystallization](http://www.qiagen.com/crystallization)

Trademarks: QIAGEN®, EasyXtal®, NeXtal® (QIAGEN Group) 09/2008 © 2006–2008 QIAGEN, all rights reserved.

[www.qiagen.com](http://www.qiagen.com)

**Australia** ■ 1-800-243-800

**Austria** ■ 0800/281010

**Belgium** ■ 0800-79612

**Canada** ■ 800-572-9613

**China** ■ 0086 21 3865 3865

**Denmark** ■ 80-885945

**Finland** ■ 0800-914416

**France** ■ 01-60-920-930

**Germany** ■ 02103-29-12000

**Hong Kong** ■ 800 933 965

**Ireland** ■ 1800 555 049

**Italy** ■ 800 787980

**Japan** ■ 03-5547-0811

**Korea (South)** ■ 1544 7145

**Luxembourg** ■ 8002 2076

**The Netherlands** ■ 0800 0229592

**Norway** ■ 800-18859

**Singapore** ■ 65-67775366

**Spain** ■ 91-630-7050

**Sweden** ■ 020-790282

**Switzerland** ■ 055-254-22-11

**UK** ■ 01293-422-911

**USA** ■ 800-426-8157

