

# Scoring Sheet — The Classics 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                      | 0.01 M Cobalt chloride, 0.1 M Sodium acetate pH 4.6, 1.0 M 1,6-Hexanediol                  |  |  |  |  |
| A2       | 1,A2                      | 0.1 M tri-Sodium citrate pH 5.6, 2.5 M 1,6-Hexanediol                                      |  |  |  |  |
| A3       | 1,A3                      | 0.2 M Magnesium chloride, 0.1 M Tris pH 8.5, 3.4 M 1,6-Hexanediol                          |  |  |  |  |
| A4       | 1,A4                      | 2.0 M Ammonium sulfate, 5% (v/v) Isopropanol                                               |  |  |  |  |
| A5       | 1,A5                      | 0.1 M HEPES sodium salt pH 7.5, 10% (v/v) Isopropanol, 20% (w/v) PEG 4000                  |  |  |  |  |
| A6       | 1,A6                      | 0.2 M Calcium chloride, 0.1 M Sodium acetate pH 4.6, 20% (v/v) Isopropanol                 |  |  |  |  |
| A7       | 1,B1                      | 0.1 M tri-Sodium citrate pH 5.6, 20% (v/v) Isopropanol, 20% (w/v) PEG 4000                 |  |  |  |  |
| A8       | 1,B2                      | 0.2 M tri-Sodium citrate, 0.1 M HEPES sodium salt pH 7.5, 20% (v/v) Isopropanol            |  |  |  |  |
| A9       | 1,B3                      | 0.2 M tri-Sodium citrate, 0.1 M Sodium cacodylate pH 6.5, 30% (v/v) Isopropanol            |  |  |  |  |
| A10      | 1,B4                      | 0.2 M Magnesium chloride, 0.1 M HEPES sodium salt pH 7.5, 30% (v/v) Isopropanol            |  |  |  |  |
| A11      | 1,B5                      | 0.2 M Ammonium acetate, 0.1 M Tris-HCl pH 8.5, 30% (v/v) Isopropanol                       |  |  |  |  |
| A12      | 1,B6                      | 1.5 M Sodium chloride, 10% (v/v) Ethanol                                                   |  |  |  |  |
| B1       | 1,C1                      | 0.1 M Tris pH 8.5, 20% (v/v) Ethanol                                                       |  |  |  |  |
| B2       | 1,C2                      | 25% (v/v) Ethylene glycol                                                                  |  |  |  |  |
| B3       | 1,C3                      | 0.02 M Calcium chloride, 0.1 M Sodium acetate pH 4.6, 30% (v/v) MPD                        |  |  |  |  |
| B4       | 1,C4                      | 0.2 M Sodium chloride, 0.1 M Sodium acetate pH 4.6, 30% (v/v) MPD                          |  |  |  |  |
| B5       | 1,C5                      | 0.2 M Ammonium acetate, 0.1 M tri-Sodium citrate pH 5.6, 30% (v/v) MPD                     |  |  |  |  |
| B6       | 1,C6                      | 0.2 M Magnesium acetate, 0.1 M Sodium cacodylate pH 6.5, 30% (v/v) MPD                     |  |  |  |  |
| B7       | 1,D1                      | 0.2 M tri-Sodium citrate, 0.1 M HEPES sodium salt pH 7.5, 30% (v/v) MPD                    |  |  |  |  |
| B8       | 1,D2                      | 0.5 M Ammonium sulfate, 0.1 M HEPES pH 7.5, 30% (v/v) MPD                                  |  |  |  |  |
| B9       | 1,D3                      | 0.2 M Ammonium phosphate, 0.1 M Tris pH 8.5, 50% (v/v) MPD                                 |  |  |  |  |
| B10      | 1,D4                      | 0.1 M HEPES pH 7.5, 70% (v/v) MPD                                                          |  |  |  |  |
| B11      | 1,D5                      | 0.1 M Tris pH 8.5, 25% (v/v) tert-Butanol                                                  |  |  |  |  |
| B12      | 1,D6                      | 0.1 M tri-Sodium citrate pH 5.6, 35% (v/v) tert-Butanol                                    |  |  |  |  |
| C1       | 2,A1                      | 0.4 M Ammonium phosphate                                                                   |  |  |  |  |
| C2       | 2,A2                      | 0.1 M tri-Sodium citrate pH 5.6, 1.0 M Ammonium phosphate                                  |  |  |  |  |
| C3       | 2,A3                      | 0.1 M Tris-HCl pH 8.5, 2.0 M Ammonium phosphate                                            |  |  |  |  |
| C4       | 2,A4                      | 0.1 M HEPES pH 7.5, 2.0 M Ammonium formate                                                 |  |  |  |  |
| C5       | 2,A5                      | 0.1 M Sodium acetate pH 4.6, 2.0 M Ammonium sulfate                                        |  |  |  |  |
| C6       | 2,A6                      | 0.1 M Tris-HCl pH 8.5, 2.0 M Ammonium sulfate                                              |  |  |  |  |
| C7       | 2,B1                      | 2.0 M Ammonium sulfate                                                                     |  |  |  |  |
| C8       | 2,B2                      | 0.1 M Sodium chloride, 0.1 M HEPES pH 7.5, 1.6 M Ammonium sulfate                          |  |  |  |  |
| C9       | 2,B3                      | 0.01 M Cobalt chloride, 0.1 M MES pH 6.5, 1.8 M Ammonium sulfate                           |  |  |  |  |
| C10      | 2,B4                      | 0.2 M K/Na tartrate, 0.1 M tri-Sodium citrate pH 5.6, 2.0 M Ammonium sulfate               |  |  |  |  |
| C11      | 2,B5                      | 1.0 M Imidazole pH 7.0                                                                     |  |  |  |  |
| C12      | 2,B6                      | 0.4 M K/Na tartrate                                                                        |  |  |  |  |
| D1       | 2,C1                      | 0.1 M HEPES sodium salt pH 7.5, 0.8 M K/Na tartrate                                        |  |  |  |  |
| D2       | 2,C2                      | 0.1 M Imidazole pH 6.5, 1.0 M Sodium acetate                                               |  |  |  |  |
| D3       | 2,C3                      | 0.05 M Cadmium sulfate, 0.1 M HEPES pH 7.5, 1.0 M Sodium acetate                           |  |  |  |  |
| D4       | 2,C4                      | 0.1 M Sodium cacodylate pH 6.5, 1.4 M Sodium acetate                                       |  |  |  |  |
| D5       | 2,C5                      | 0.1 M Sodium acetate pH 4.6, 2.0 M Sodium chloride                                         |  |  |  |  |
| D6       | 2,C6                      | 0.1 M Sodium phosphate, 0.1 M Potassium phosphate, 0.1 M MES pH 6.5, 2.0 M Sodium chloride |  |  |  |  |
| D7       | 2,D1                      | 0.1 M HEPES pH 7.5, 4.3 M Sodium chloride                                                  |  |  |  |  |
| D8       | 2,D2                      | 0.1 M HEPES sodium salt pH 7.5, 1.4 M tri-Sodium citrate                                   |  |  |  |  |
| D9       | 2,D3                      | 1.6 M tri-Sodium citrate pH 6.5                                                            |  |  |  |  |
| D10      | 2,D4                      | 0.1 M HEPES sodium salt pH 7.5, 0.8 M Sodium phosphate, 0.8 M Potassium phosphate          |  |  |  |  |
| D11      | 2,D5                      | 0.1 M Sodium acetate pH 4.6, 2.0 M Sodium formate                                          |  |  |  |  |
| D12      | 2,D6                      | 4.0 M Sodium formate                                                                       |  |  |  |  |



| Location | Crystallization condition |                                                                                         |  |  |  |  |
|----------|---------------------------|-----------------------------------------------------------------------------------------|--|--|--|--|
| E1       | 3,A1                      | 0.1 M Bicine pH 9.0, 2% (v/v) Dioxane, 10% (w/v) PEG 20000                              |  |  |  |  |
| E2       | 3,A2                      | 0.1 M MES pH 6.5, 10% (v/v) Dioxane, 1.6 M Ammonium sulfate                             |  |  |  |  |
| E3       | 3,A3                      | 35% (v/v) Dioxane                                                                       |  |  |  |  |
| E4       | 3,A4                      | 0.5 M Sodium chloride, 0.1 M tri-Sodium citrate pH 5.6, 2% (v/v) Ethylene imine polymer |  |  |  |  |
| E5       | 3,A5                      | 0.1 M Tris pH 8.5, 12% (v/v) Glycerol, 1.5 M Ammonium sulfate                           |  |  |  |  |
| E6       | 3,A6                      | 0.5 M Sodium chloride, 0.01 M Magnesium chloride, 0.01 M CTAB                           |  |  |  |  |
| E7       | 3,B1                      | 0.01 M Ferric chloride, 0.1 M tri-Sodium citrate pH 5.6, 10% (v/v) Jeffamine M-600      |  |  |  |  |
| E8       | 3,B2                      | 0.1 M HEPES pH 7.5, 20% (v/v) Jeffamine M-600                                           |  |  |  |  |
| E9       | 3,B3                      | 0.5 M Ammonium sulfate, 0.1 M tri-Sodium citrate pH 5.6, 1.0 M Lithium sulfate          |  |  |  |  |
| E10      | 3,B4                      | 0.01 M Nickel chloride, 0.1 M Tris pH 8.5, 1.0 M Lithium sulfate                        |  |  |  |  |
| E11      | 3,B5                      | 0.1 M HEPES sodium salt pH 7.5, 1.5 M Lithium sulfate                                   |  |  |  |  |
| E12      | 3,B6                      | 0.1 M Bicine pH 9.0, 2.0 M Magnesium chloride                                           |  |  |  |  |
| F1       | 3,C1                      | 0.2 M Magnesium formate                                                                 |  |  |  |  |
| F2       | 3,C2                      | 0.1 M MES pH 6.5, 1.6 M Magnesium sulfate                                               |  |  |  |  |
| F3       | 3,C3                      | 0.1 M Tris-HCl pH 8.5, 8% (w/v) PEG 8000                                                |  |  |  |  |
| F4       | 3,C4                      | 0.1 M HEPES pH 7.5, 10% (w/v) PEG 8000                                                  |  |  |  |  |
| F5       | 3,C5                      | 0.5 M Lithium sulfate, 15% (w/v) PEG 8000                                               |  |  |  |  |
| F6       | 3,C6                      | 0.2 M Zinc acetate, 0.1 M Sodium cacodylate pH 6.5, 18% (w/v) PEG 8000                  |  |  |  |  |
| F7       | 3,D1                      | 0.2 M Calcium acetate, 0.1 M Sodium cacodylate pH 6.5, 18% (w/v) PEG 8000               |  |  |  |  |
| F8       | 3,D2                      | 0.2 M Magnesium acetate, 0.1 M Sodium cacodylate pH 6.5, 20% (w/v) PEG 8000             |  |  |  |  |
| F9       | 3,D3                      | 0.05 M Potassium phosphate, 20% (w/v) PEG 8000                                          |  |  |  |  |
| F10      | 3,D4                      | 0.2 M Ammonium sulfate, 0.1 M Sodium cacodylate pH 6.5, 30% (w/v) PEG 8000              |  |  |  |  |
| F11      | 3,D5                      | 0.2 M Sodium acetate, 0.1 M Sodium cacodylate pH 6.5, 30% (w/v) PEG 8000                |  |  |  |  |
| F12      | 3,D6                      | 0.2 M Ammonium sulfate, 30% (w/v) PEG 8000                                              |  |  |  |  |
| G1       | 4,A1                      | 0.1 M HEPES sodium salt pH 7.5, 2% (v/v) PEG 400, 2.0 M Ammonium sulfate                |  |  |  |  |
| G2       | 4,A2                      | 0.2 M Calcium chloride, 0.1 M HEPES sodium salt pH 7.5, 28% (v/v) PEG 400               |  |  |  |  |
| G3       | 4,A3                      | 0.1 M Cadmium chloride, 0.1 M Sodium acetate pH 4.6, 30% (v/v) PEG 400                  |  |  |  |  |
| G4       | 4,A4                      | 0.2 M Magnesium chloride, 0.1 M HEPES sodium salt pH 7.5, 30% (v/v) PEG 400             |  |  |  |  |
| G5       | 4,A5                      | 0.2 M tri-Sodium citrate, 0.1 M Tris-HCl pH 8.5, 30% (v/v) PEG 400                      |  |  |  |  |
| G6       | 4,A6                      | 0.1 M Sodium chloride, 0.1 M Bicine pH 9.0, 20% (w/v) PEG 550 MME                       |  |  |  |  |
| G7       | 4,B1                      | 0.01 M Zinc sulfate, 0.1 M MES pH 6.5, 25% (w/v) PEG 550 MME                            |  |  |  |  |
| G8       | 4,B2                      | 10% (w/v) PEG 1000, 10% (w/v) PEG 8000                                                  |  |  |  |  |
| G9       | 4,B3                      | 30% (w/v) PEG 1500                                                                      |  |  |  |  |
| G10      | 4,B4                      | 0.01 M Nickel chloride, 0.1 M Tris pH 8.5, 20% (w/v) PEG 2000 MME                       |  |  |  |  |
| G11      | 4,B5                      | 0.2 M Ammonium sulfate, 0.1 M Sodium acetate pH 4.6, 30% (w/v) PEG 2000 MME             |  |  |  |  |
| G12      | 4,B6                      | 0.1 M Sodium acetate pH 4.6, 8% (w/v) PEG 4000                                          |  |  |  |  |
| H1       | 4,C1                      | 0.2 M Ammonium sulfate, 0.1 M Sodium acetate pH 4.6, 25% (w/v) PEG 4000                 |  |  |  |  |
| H2       | 4,C2                      | 0.2 M Ammonium acetate, 0.1 M Sodium acetate pH 4.6, 30% (w/v) PEG 4000                 |  |  |  |  |
| H3       | 4,C3                      | 0.2 M Ammonium acetate, 0.1 M tri-Sodium citrate pH 5.6, 30% (w/v) PEG 4000             |  |  |  |  |
| H4       | 4,C4                      | 0.2 M Magnesium chloride, 0.1 M Tris-HCl pH 8.5, 30% (w/v) PEG 4000                     |  |  |  |  |
| H5       | 4,C5                      | 0.2 M Lithium sulfate, 0.1 M Tris-HCl pH 8.5, 30% (w/v) PEG 4000                        |  |  |  |  |
| H6       | 4,C6                      | 0.2 M Sodium acetate, 0.1 M Tris-HCl pH 8.5, 30% (w/v) PEG 4000                         |  |  |  |  |
| H7       | 4,D1                      | 0.2 M Ammonium sulfate, 30% (w/v) PEG 4000                                              |  |  |  |  |
| H8       | 4,D2                      | 0.2 M Ammonium sulfate, 0.1 M MES pH 6.5, 30% (w/v) PEG 5000 MME                        |  |  |  |  |
| H9       | 4,D3                      | 0.1 M HEPES pH 7.5, 10% (w/v) PEG 6000, 5% (v/v) MPD                                    |  |  |  |  |
| H10      | 4,D4                      | 10% (w/v) PEG 6000, 2.0 M Sodium chloride                                               |  |  |  |  |
| H11      | 4,D5                      | 0.1 M HEPES pH 7.5, 20% (w/v) PEG 10000, 8% (v/v) Ethylene glycol                       |  |  |  |  |
| H12      | 4,D6                      | 0.1 M MES pH 6.5, 12% (w/v) PEG 20000                                                   |  |  |  |  |

## 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

**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

