

## Scoring Sheet — The PACT 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  | 0.1M SPG buffer pH 4, 25% PEG 1500                          |  |  |  |  |  |
| A2 1,A2  | 0.1M SPG buffer pH 5, 25% PEG 1500                          |  |  |  |  |  |
| A3 1,A3  | 0.1M SPG buffer pH 6, 25% PEG 1500                          |  |  |  |  |  |
| A4 1,A4  | 0.1M SPG buffer pH 7, 25% PEG 1500                          |  |  |  |  |  |
| A5 1,A5  | 0.1M SPG buffer pH 8, 25% PEG 1500                          |  |  |  |  |  |
| A6 1,A6  | 0.1M SPG buffer pH 9, 25% PEG 1500                          |  |  |  |  |  |
| A7 1,B1  | 0.2M Na chloride, 0.1M Na acetate pH 5, 20% PEG 6000        |  |  |  |  |  |
| A8 1,B2  | 0.2M Ammonium chloride, 0.1M Na acetate pH 5, 20% PEG 6000  |  |  |  |  |  |
| A9 1,B3  | 0.2M Lithium chloride, 0.1M Na acetate pH 5, 20% PEG 6000   |  |  |  |  |  |
| A10 1,B4 | 0.2M Magnesium chloride, 0.1M Na acetate pH 5, 20% PEG 6000 |  |  |  |  |  |
| A11 1,B5 | 0.2M Calcium chloride, 0.1M Na acetate pH 5, 20% PEG 6000   |  |  |  |  |  |
| A12 1,B6 | 0.01M Zinc chloride, 0.1M Na acetate pH 5, 20% PEG 6000     |  |  |  |  |  |
| B1 1,C1  | 0.1M MIB buffer pH 4, 25% PEG 1500                          |  |  |  |  |  |
| B2 1,C2  | 0.1M MIB buffer pH 5, 25% PEG 1500                          |  |  |  |  |  |
| B3 1,C3  | 0.1M MIB buffer pH 6, 25% PEG 1500                          |  |  |  |  |  |
| B4 1,C4  | 0.1M MIB buffer pH 7, 25% PEG 1500                          |  |  |  |  |  |
| B5 1,C5  | 0.1M MIB buffer pH 8, 25% PEG 1500                          |  |  |  |  |  |
| B6 1,C6  | 0.1M MIB buffer pH 9, 25% PEG 1500                          |  |  |  |  |  |
| B7 1,D1  | 0.2M Na chloride, 0.1M MES pH 6, 20% PEG 6000               |  |  |  |  |  |
| B8 1,D2  | 0.2M Ammonium chloride, 0.1M MES pH 6, 20% PEG 6000         |  |  |  |  |  |
| B9 1,D3  | 0.2M Lithium chloride, 0.1M MES pH 6, 20% PEG 6000          |  |  |  |  |  |
| B10 1,D4 | 0.2M Magnesium chloride, 0.1M MES pH 6, 20% PEG 6000        |  |  |  |  |  |
| B11 1,D5 | 0.2M Calcium chloride, 0.1M MES pH 6, 20% PEG 6000          |  |  |  |  |  |
| B12 1,D6 | 0.01M Zinc chloride, 0.1M MES pH 6, 20% PEG 6000            |  |  |  |  |  |
| C1 2,A1  | 0.1M PCB buffer pH 4, 25% PEG 1500                          |  |  |  |  |  |
| C2 2,A2  | 0.1M PCB buffer pH 5, 25% PEG 1500                          |  |  |  |  |  |
| C3 2,A3  | 0.1M PCB buffer pH 6, 25% PEG 1500                          |  |  |  |  |  |
| C4 2,A4  | 0.1M PCB buffer pH 7, 25% PEG 1500                          |  |  |  |  |  |
| C5 2,A5  | 0.1M PCB buffer pH 8, 25% PEG 1500                          |  |  |  |  |  |
| C6 2,A6  | 0.1M PCB buffer pH 9, 25% PEG 1500                          |  |  |  |  |  |
| C7 2,B1  | 0.2M Na chloride, 0.1M Hepes pH 7, 20% PEG 6000             |  |  |  |  |  |
| C8 2,B2  | 0.2M Ammonium chloride, 0.1M Hepes pH 7, 20% PEG 6000       |  |  |  |  |  |
| C9 2,B3  | 0.2M Lithium chloride, 0.1M Hepes pH 7, 20% PEG 6000        |  |  |  |  |  |
| C10 2,B4 | 0.2M Magnesium chloride, 0.1M Hepes pH 7, 20% PEG 6000      |  |  |  |  |  |
| C11 2,B5 | 0.2M Calcium chloride, 0.1M Hepes pH 7, 20% PEG 6000        |  |  |  |  |  |
| C12 2,B6 | 0.01M Zinc chloride, 0.1M Hepes pH 7, 20% PEG 6000          |  |  |  |  |  |
| D1 2,C1  | 0.1M MMT buffer pH 4, 25% PEG 1500                          |  |  |  |  |  |
| D2 2,C2  | 0.1M MMT buffer pH 5, 25% PEG 1500                          |  |  |  |  |  |
| D3 2,C3  | 0.1M MMT buffer pH 6, 25% PEG 1500                          |  |  |  |  |  |
| D4 2,C4  | 0.1M MMT buffer pH 7, 25% PEG 1500                          |  |  |  |  |  |
| D5 2,C5  | 0.1M MMT buffer pH 8, 25% PEG 1500                          |  |  |  |  |  |
| D6 2,C6  | 0.1M MMT buffer pH 9, 25% PEG 1500                          |  |  |  |  |  |
| D7 2,D1  | 0.2M Na chloride, 0.1M Tris pH 8, 20% PEG 6000              |  |  |  |  |  |
| D8 2,D2  | 0.2M Ammonium chloride, 0.1M Tris pH 8, 20% PEG 6000        |  |  |  |  |  |
| D9 2,D3  | 0.2M Lithium chloride, 0.1M Tris pH 8, 20% PEG 6000         |  |  |  |  |  |
| D10 2,D4 | 0.2M Magnesium chloride, 0.1M Tris pH 8, 20% PEG 6000       |  |  |  |  |  |
| D11 2,D5 | 0.2M Calcium chloride, 0.1M Tris pH 8, 20% PEG 6000         |  |  |  |  |  |
| D12 2,D6 | 0.01M Zinc chloride, 0.1M Tris pH 8, 20% PEG 6000           |  |  |  |  |  |

| Location | Crystallization condition |                                                                 |  |  |  |  |
|----------|---------------------------|-----------------------------------------------------------------|--|--|--|--|
| E1       | 3,A1                      | 0.2M Na fluoride, 20% PEG 3350                                  |  |  |  |  |
| E2       | 3,A2                      | 0.2M Na bromide, 20% PEG 3350                                   |  |  |  |  |
| E3       | 3,A3                      | 0.2M Na iodide, 20% PEG 3350                                    |  |  |  |  |
| E4       | 3,A4                      | 0.2M K thiocyanate, 20% PEG 3350                                |  |  |  |  |
| E5       | 3,A5                      | 0.2M Na nitrate, 20% PEG 3350                                   |  |  |  |  |
| E6       | 3,A6                      | 0.2M Na formate, 20% PEG 3350                                   |  |  |  |  |
| E7       | 3,B1                      | 0.2M Na acetate, 20% PEG 3350                                   |  |  |  |  |
| E8       | 3,B2                      | 0.2M Na sulfate, 20% PEG 3350                                   |  |  |  |  |
| E9       | 3,B3                      | 0.2M K/ Na tartrate, 20% PEG 3350                               |  |  |  |  |
| E10      | 3,B4                      | 0.2M Na/K phosphate, 20% PEG 3350                               |  |  |  |  |
| E11      | 3,B5                      | 0.2M Na citrate, 20% PEG 3350                                   |  |  |  |  |
| E12      | 3,B6                      | 0.2M Na malonate, 20% PEG 3350                                  |  |  |  |  |
| F1       | 3,C1                      | 0.2M Na fluoride, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350    |  |  |  |  |
| F2       | 3,C2                      | 0.2M Na bromide, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F3       | 3,C3                      | 0.2M Na iodide, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350      |  |  |  |  |
| F4       | 3,C4                      | 0.2M K thiocyanate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350  |  |  |  |  |
| F5       | 3,C5                      | 0.2M Na nitrate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F6       | 3,C6                      | 0.2M Na formate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F7       | 3,D1                      | 0.2M Na acetate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F8       | 3,D2                      | 0.2M Na sulfate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F9       | 3,D3                      | 0.2M K/ Na tartrate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350 |  |  |  |  |
| F10      | 3,D4                      | 0.2M Na/K phosphate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350 |  |  |  |  |
| F11      | 3,D5                      | 0.2M Na citrate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350     |  |  |  |  |
| F12      | 3,D6                      | 0.2M Na malonate, 0.1M Bis Tris propane pH 6.5, 20% PEG 3350    |  |  |  |  |
| G1       | 4,A1                      | 0.2M Na fluoride, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350    |  |  |  |  |
| G2       | 4,A2                      | 0.2M Na bromide, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G3       | 4,A3                      | 0.2M Na iodide, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350      |  |  |  |  |
| G4       | 4,A4                      | 0.2M K thiocyanate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350  |  |  |  |  |
| G5       | 4,A5                      | 0.2M Na nitrate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G6       | 4,A6                      | 0.2M Na formate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G7       | 4,B1                      | 0.2M Na acetate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G8       | 4,B2                      | 0.2M Na sulfate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G9       | 4,B3                      | 0.2M K/ Na tartrate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350 |  |  |  |  |
| G10      | 4,B4                      | 0.2M Na/K phosphate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350 |  |  |  |  |
| G11      | 4,B5                      | 0.2M Na citrate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350     |  |  |  |  |
| G12      | 4,B6                      | 0.2M Na malonate, 0.1M Bis Tris propane pH 7.5, 20% PEG 3350    |  |  |  |  |
| H1       | 4,C1                      | 0.2M Na fluoride, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350    |  |  |  |  |
| H2       | 4,C2                      | 0.2M Na bromide, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H3       | 4,C3                      | 0.2M Na iodide, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350      |  |  |  |  |
| H4       | 4,C4                      | 0.2M K thiocyanate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350  |  |  |  |  |
| H5       | 4,C5                      | 0.2M Na nitrate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H6       | 4,C6                      | 0.2M Na formate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H7       | 4,D1                      | 0.2M Na acetate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H8       | 4,D2                      | 0.2M Na sulfate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H9       | 4,D3                      | 0.2M K/ Na tartrate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350 |  |  |  |  |
| H10      | 4,D4                      | 0.2M Na/K phosphate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350 |  |  |  |  |
| H11      | 4,D5                      | 0.2M Na citrate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350     |  |  |  |  |
| H12      | 4,D6                      | 0.2M Na malonate, 0.1M Bis Tris propane pH 8.5, 20% PEG 3350    |  |  |  |  |

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