

| Condition # | Well | Salt | Buffer | Precipitant |
|-------------|------|---|--|--|
| 1 | A1 | 0.2 M Potassium Sodium Tartrate | | 20 % (w/v) PEG 3350 |
| 2 | A2 | 0.15 M Potassium Bromide | | 30 % (w/v) PEG 2000 MME |
| 3 | A3 | 0.2 M Sodium Chloride | 0.1 M Na ₂ HPO ₄ : Citric Acid, pH 4.2 | 20 % (w/v) PEG 8000 |
| 4 | A4 | | 0.1 M Sodium Acetate: Acetic Acid, pH 4.5 | 0.8 / 1.2 M NaH ₂ PO ₄ /K ₂ HPO ₄ |
| 5 | A5 | 0.2 M Lithium Sulfate | 0.1 M CAPS: NaOH, pH 10.5 | 1.2 / 0.8 M NaH ₂ PO ₄ /K ₂ HPO ₄ |
| 6 | A6 | | 0.1 M Sodium Cacodylate: HCl, pH 6.5 | 1.26 M Ammonium Sulfate |
| 7 | A7 | 0.2 M Sodium Chloride | 0.1 M Na ₂ HPO ₄ : Citric Acid, pH 4.2 | 10 % (w/v) PEG 3000 |
| 8 | A8 | 0.2 M Potassium Formate, pH 7.3 | | 20 % (w/v) PEG 3350 |
| 9 | A9 | | 0.1 M Sodium Citrate: HCl, pH 5 | 20 % (w/v) PEG 6000 |
| 10 | A10 | 0.2 M Ammonium Nitrate, pH 6.3 | | 20 % (w/v) PEG 3350 |
| 11 | A11 | 0.2 M Lithium Chloride | | 20 % (w/v) PEG 3350 |
| 12 | A12 | | 0.1 M Sodium Citrate: Citric Acid, pH 5.5 | 40 % (v/v) PEG 600 |
| 13 | B1 | | 0.1 M MES: NaOH, pH 6.5 | 12 % (w/v) PEG 20000 |
| 14 | B2 | 0.2 M Potassium Acetate | | 20 % (w/v) PEG 3350 |
| 15 | B3 | 0.2 M Ammonium Citrate Dibasic | | 20 % (w/v) PEG 3350 |
| 16 | B4 | | 1.8 M NaH ₂ PO ₄ /K ₂ HPO ₄ , pH 8.2 | |
| 17 | B5 | 0.2 M Ammonium Sulfate | 0.1 M Sodium Cacodylate: HCl, pH 6.5 | 30 % (w/v) PEG 8000 |
| 18 | B6 | 0.2 M Sodium Formate | | 20 % (w/v) PEG 3350 |
| 19 | B7 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 2.8 M Sodium Acetate, pH 7.0 |
| 20 | B8 | | | 60 % (v/v) Microlytic Mix ⁽¹⁾ , pH 7.0 |
| 21 | B9 | 1 M Ammonium Sulfate | 0.1 M Bis-Tris: HCl, pH 5.5 | 1 % (w/v) PEG 3350 |
| 22 | B10 | 1.1 M Sodium Malonate, pH 7.0 | 0.1 M HEPES: NaOH, pH 7 | 0.5 % (w/v) Jeffamine ED-2001, pH 7.0 |
| 23 | B11 | 0.2 M Lithium Sulfate | 0.1 M Bis-Tris: HCl, pH 6.5 | 25 % (w/v) PEG 3350 |
| 24 | B12 | 3 M Sodium Chloride | 0.1 M Bis-Tris: HCl, pH 5.5 | |
| 25 | C1 | 0.8 M Succinic Acid, pH 7.0 | | |
| 26 | C2 | | | 35 % (v/v) Microlytic Mix ⁽¹⁾ , pH 7.0 |
| 27 | C3 | 0.2 M Ammonium Acetate | 0.1 M HEPES: NaOH, pH 7.5 | 25 % (w/v) PEG 3350 |
| 28 | C4 | 0.2 M Ammonium Citrate Tribasic, pH 7.0 | | 20 % (w/v) PEG 3350 |
| 29 | C5 | 0.2 M Sodium Citrate | | 20 % (w/v) PEG 3350 |
| 30 | C6 | | 0.1 M Bicine: NaOH, pH 9 | 20 % (w/v) PEG 6000 |
| 31 | C7 | | 0.1 M Tris: HCl, pH 8.5 | 1.5 M Ammonium Phosphate Dibasic |
| 32 | C8 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 1.8 M Magnesium Sulfate |
| 33 | C9 | 0.2 M Sodium Fluoride | | 20 % (w/v) PEG 3350 |
| 34 | C10 | 0.2 M Sodium Nitrate | | 20 % (w/v) PEG 3350 |
| 35 | C11 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 1.3 M Ammonium Tartrate Dibasic |
| 36 | C12 | | 0.1 M Tris: HCl, pH 8.5 | 1.4 M Ammonium Tartrate Dibasic |
| 37 | D1 | | 0.1 M Tris: HCl, pH 8.5 | 1.5 M Ammonium Sulfate |
| 38 | D2 | 0.2 M Lithium Sulfate | 0.1 M Tris: HCl, pH 8.5 | 1.26 M Ammonium Sulfate |
| 39 | D3 | 0.2 M Lithium Sulfate | 0.1 M CAPS: NaOH, pH 10.5 | 2 M Ammonium Sulfate |
| 40 | D4 | 0.2 M Calcium Acetate Hydrate | 0.1 M Sodium Acetate: Acetic Acid, pH 4.5 | 30 % (v/v) PEG 400 |
| 41 | D5 | | 0.1 M Tris: HCl, pH 8.5 | 3 M Sodium Chloride |
| 42 | D6 | | 2.8 M Sodium Acetate: HCl, pH 7 | |
| 43 | D7 | 1.1 M Ammonium Tartrate Dibasic, pH 7.0 | | |
| 44 | D8 | 0.2 M Potassium Nitrate, pH 6.9 | | 20 % (w/v) PEG 3350 |
| 45 | D9 | 1 M Lithium Chloride | 0.1 M Sodium Citrate: HCl, pH 4 | 20 % (w/v) PEG 6000 |
| 46 | D10 | 0.2 M Lithium Citrate Tribasic | | 20 % (w/v) PEG 3350 |
| 47 | D11 | | 0.1 M Tris: HCl, pH 8.5 | 1.5 M Lithium Sulfate |
| 48 | D12 | 0.2 M Ammonium Sulfate | | 20 % (w/v) PEG 3350 |
| 49 | E1 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 1.8 M Sodium Acetate, pH 7.0 |
| 50 | E2 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 3.2 M Sodium Chloride |
| 51 | E3 | | 0.1 M Bis-Tris Propane: HCl, pH 7 | 1.5 M Lithium Sulfate |
| 52 | E4 | 1.6 M Ammonium Sulfate | 0.1 M MES: NaOH, pH 6.5 | 10 % (v/v) Dioxane |
| 53 | E5 | 0.2 M Lithium Sulfate | 0.1 M Sodium Acetate: Acetic Acid, pH 4.5 | 30 % (w/v) PEG 8000 |
| 54 | E6 | | 0.1 M Sodium Acetate: Acetic Acid, pH 4.5 | 1 M Ammonium Phosphate Dibasic |
| 55 | E7 | 0.2 M Lithium Sulfate | 0.1 M Na ₂ HPO ₄ : Citric Acid, pH 4.2 | 20 % (w/v) PEG 1000 |
| 56 | E8 | | 0.1 M CHES: NaOH, pH 9.5 | 20 % (w/v) PEG 8000 |
| 57 | E9 | | 0.1 M CHES: NaOH, pH 9.5 | 1 M Sodium Citrate |
| 58 | E10 | | 0.1 M Na ₂ HPO ₄ : Citric Acid, pH 4.2 | 1.6 / 0.4 M Na ₂ HPO ₄ /K ₂ HPO ₄ |
| 59 | E11 | 0.2 M Magnesium Chloride | 0.1 M Sodium Cacodylate: HCl, pH 6.5 | 10 % (w/v) PEG 3000 |
| 60 | E12 | 0.2 M Lithium Sulfate | 0.1 M Sodium Cacodylate: HCl, pH 6.5 | 30 % (v/v) PEG 400 |
| 61 | F1 | 0.2 M Sodium Chloride | 0.1 M Imidazole: HCl, pH 8 | 1 M Ammonium Phosphate Dibasic |
| 62 | F2 | | 0.1 M Bis-Tris: HCl, pH 6.5 | 3 M Sodium Chloride |
| 63 | F3 | | 0.1 M HEPES: NaOH, pH 7.5 | 3 M Sodium Chloride |
| 64 | F4 | | | 1 M Na ₂ HPO ₄ /K ₂ HPO ₄ , pH 6.9 |
| 65 | F5 | 0.02 M Magnesium Chloride | 0.1 M HEPES: NaOH, pH 7.5 | 22 % (w/v) Polyacrylic Acid 5100 |
| 66 | F6 | 0.2 M Sodium Malonate, pH 7.0 | | 20 % (w/v) PEG 3350 |
| 67 | F7 | 0.15 M DL-Malic Acid, pH 7.0 | | 20 % (w/v) PEG 3350 |
| 68 | F8 | 0.2 M Ammonium Phosphate Monobasic | 0.1 M Tris: HCl, pH 8.5 | 50 % (v/v) MPD |
| 69 | F9 | | 0.1 M HEPES: NaOH, pH 7 | 10 % (w/v) PEG 6000 |
| 70 | F10 | | | 24 % (w/v) PEG 1500, 20 % (v/v) Glycerol |
| 71 | F11 | 0.2 M Sodium Tartrate Dibasic | | 20 % (w/v) PEG 3350 |
| 72 | F12 | 0.2 M Lithium Nitrate | | 20 % (w/v) PEG 3350 |
| 73 | G1 | 0.2 M Sodium Phosphate Dibasic | | 20 % (w/v) PEG 3350 |
| 74 | G2 | | 0.1 M Tris: HCl, pH 8.5 | 2.4 M Ammonium Phosphate Dibasic |
| 75 | G3 | 0.2 M Sodium Chloride | 0.1 M Imidazole: HCl, pH 8 | 0.4 / 1.6 M NaH ₂ PO ₄ /K ₂ HPO ₄ |
| 76 | G4 | 0.2 M Calcium Acetate Hydrate | 0.1 M MES: NaOH, pH 6 | 10 % (w/v) Isopropanol |
| 77 | G5 | 0.2 M Sodium Chloride | 0.1 M CHES: NaOH, pH 9.5 | 1.26 M Ammonium Sulfate |
| 78 | G6 | 0.2 M Sodium Chloride | 0.1 M Sodium Citrate: Citric Acid, pH 5.5 | 1 M Ammonium Phosphate Dibasic |
| 79 | G7 | | 0.1 M Tris: HCl, pH 7 | 15 % (w/v) Ethanol |
| 80 | G8 | | 0.1 M Tris: HCl, pH 7 | 20 % (w/v) PEG 1000 |
| 81 | G9 | 0.2 M Sodium Chloride | 0.1 M Na ₂ HPO ₄ /KH ₂ PO ₄ , pH 6.2 | 20 % (w/v) PEG 1000 |
| 82 | G10 | 0.2 M Sodium Chloride | 0.1 M CAPS: NaOH, pH 10.5 | 20 % (w/v) PEG 8000 |
| 83 | G11 | | 0.1 M HEPES: NaOH, pH 7 | 30 % (v/v) Jeffamine ED-2001, pH 7.0 |
| 84 | G12 | 0.2 M Calcium Chloride | 0.1 M Bis-Tris: HCl, pH 5.5 | 45 % (v/v) MPD |
| 85 | H1 | 0.2 M Calcium Chloride | 0.1 M Bis-Tris: HCl, pH 6.5 | 45 % (v/v) MPD |
| 86 | H2 | 0.2 M Potassium Chloride | 0.05 M HEPES: NaOH, pH 7.5 | 35 % (v/v) Pentaerythritol Propoxylate 5/4 PO/OH |
| 87 | H3 | 0.2 M Trimethylamine N-Oxide | 0.1 M Tris: HCl, pH 8.5 | 20 % (w/v) PEG 2000 MME |
| 88 | H4 | 0.2 M Ammonium Acetate | 0.1 M Tris: HCl, pH 8.5 | 25 % (w/v) PEG 3350 |
| 89 | H5 | 0.1 M Succinic Acid, pH 7.0 | | 15 % (w/v) PEG 3350 |
| 90 | H6 | | 0.1 M Sodium Citrate: HCl, pH 4 | 0.8 M Ammonium Sulfate |
| 91 | H7 | | 0.1 M Bicine: NaOH, pH 9 | 10 % (w/v) PEG 20000, 2 % (v/v) Dioxane |
| 92 | H8 | 0.2 M Magnesium Chloride | 0.1 M HEPES: NaOH, pH 7.5 | 30 % (v/v) PEG 400 |
| 93 | H9 | | 0.1 M Sodium Acetate: HCl, pH 4.6 | 2.5 M Ammonium Sulfate |
| 94 | H10 | 0.2 M Sodium Chloride | | 20 % (w/v) PEG 3350 |
| 95 | H11 | | 0.1 M Tris: HCl, pH 8.5 | 2.5 M Ammonium Sulfate |
| 96 | H12 | 0.2 M Zinc Acetate | 0.1 M Sodium Acetate: Acetic Acid, pH 4.5 | 10 % (w/v) PEG 3000 |

⁽¹⁾Microlytic Mix is comprised of 1.8305 M Malonic Acid, 0.25 M Ammonium Citrate Tribasic, 0.12 M Succinic Acid, 0.3 M DL-Malic Acid, 0.4 M Sodium Acetate Trihydrate, 0.5 M Sodium Formate, 0.16 M Ammonium Tartrate Dibasic. [McPherson, A. and Cudney, B. (2006) *J. Struct. Biol.* **156**(3), 387-406.] Microlytic Mix at pH 7.0 is titrated with HCl. This mix is available from Anatrace, Product Nos. OPTIMIZE-131 and OPTIMIZE-132.