

| Tube # | Salt   | Tube # | Buffer $\diamond$                                    | Tube # | Polymer                           |
|--------|--|--------|--|--------|-----------------------------------|
| 1.     | 0.1 M Sodium malonate pH 4.0   | 1.     | None   | 1.     | 12% w/v Polyethylene glycol 3,350 |
| 2.     | 0.2 M Sodium malonate pH 4.0   | 2.     | None   | 2.     | 20% w/v Polyethylene glycol 3,350 |
| 3.     | 0.1 M Sodium malonate pH 5.0   | 3.     | None   | 3.     | 12% w/v Polyethylene glycol 3,350 |
| 4.     | 0.2 M Sodium malonate pH 5.0   | 4.     | None   | 4.     | 20% w/v Polyethylene glycol 3,350 |
| 5.     | 0.1 M Sodium malonate pH 6.0   | 5.     | None   | 5.     | 12% w/v Polyethylene glycol 3,350 |
| 6.     | 0.2 M Sodium malonate pH 6.0   | 6.     | None   | 6.     | 20% w/v Polyethylene glycol 3,350 |
| 7.     | 0.1 M Sodium malonate pH 7.0   | 7.     | None   | 7.     | 12% w/v Polyethylene glycol 3,350 |
| 8.     | 0.2 M Sodium malonate pH 7.0   | 8.     | None   | 8.     | 20% w/v Polyethylene glycol 3,350 |
| 9.     | 4% v/v Tacsimate™ pH 4.0   | 9.     | None   | 9.     | 12% w/v Polyethylene glycol 3,350 |
| 10.    | 8% v/v Tacsimate™ pH 4.0   | 10.    | None   | 10.    | 20% w/v Polyethylene glycol 3,350 |
| 11.    | 4% v/v Tacsimate™ pH 5.0   | 11.    | None   | 11.    | 12% w/v Polyethylene glycol 3,350 |
| 12.    | 8% v/v Tacsimate™ pH 5.0   | 12.    | None   | 12.    | 20% w/v Polyethylene glycol 3,350 |
| 13.    | 4% v/v Tacsimate™ pH 6.0   | 13.    | None   | 13.    | 12% w/v Polyethylene glycol 3,350 |
| 14.    | 8% v/v Tacsimate™ pH 6.0   | 14.    | None   | 14.    | 20% w/v Polyethylene glycol 3,350 |
| 15.    | 4% v/v Tacsimate™ pH 7.0   | 15.    | None   | 15.    | 12% w/v Polyethylene glycol 3,350 |
| 16.    | 8% v/v Tacsimate™ pH 7.0   | 16.    | None   | 16.    | 20% w/v Polyethylene glycol 3,350 |
| 17.    | 4% v/v Tacsimate™ pH 8.0   | 17.    | None   | 17.    | 12% w/v Polyethylene glycol 3,350 |
| 18.    | 8% v/v Tacsimate™ pH 8.0   | 18.    | None   | 18.    | 20% w/v Polyethylene glycol 3,350 |
| 19.    | 0.1 M Succinic acid pH 7.0   | 19.    | None   | 19.    | 12% w/v Polyethylene glycol 3,350 |
| 20.    | 0.2 M Succinic acid pH 7.0   | 20.    | None   | 20.    | 20% w/v Polyethylene glycol 3,350 |
| 21.    | 0.1 M Ammonium citrate tribasic pH 7.0   | 21.    | None   | 21.    | 12% w/v Polyethylene glycol 3,350 |
| 22.    | 0.2 M Ammonium citrate tribasic pH 7.0   | 22.    | None   | 22.    | 20% w/v Polyethylene glycol 3,350 |
| 23.    | 0.1 M DL-Malic acid pH 7.0   | 23.    | None   | 23.    | 12% w/v Polyethylene glycol 3,350 |
| 24.    | 0.2 M DL-Malic acid pH 7.0   | 24.    | None   | 24.    | 20% w/v Polyethylene glycol 3,350 |
| 25.    | 0.1 M Sodium acetate trihydrate pH 7.0   | 25.    | None   | 25.    | 12% w/v Polyethylene glycol 3,350 |
| 26.    | 0.2 M Sodium acetate trihydrate pH 7.0   | 26.    | None   | 26.    | 20% w/v Polyethylene glycol 3,350 |
| 27.    | 0.1 M Sodium formate pH 7.0  | 27.    | None   | 27.    | 12% w/v Polyethylene glycol 3,350 |
| 28.    | 0.2 M Sodium formate pH 7.0  | 28.    | None   | 28.    | 20% w/v Polyethylene glycol 3,350 |
| 29.    | 0.1 M Ammonium tartrate dibasic pH 7.0   | 29.    | None   | 29.    | 12% w/v Polyethylene glycol 3,350 |
| 30.    | 0.2 M Ammonium tartrate dibasic pH 7.0   | 30.    | None   | 30.    | 20% w/v Polyethylene glycol 3,350 |
| 31.    | 2% v/v Tacsimate™ pH 4.0   | 31.    | 0.1 M Sodium acetate trihydrate pH 4.6               | 31.    | 16% w/v Polyethylene glycol 3,350 |
| 32.    | 2% v/v Tacsimate™ pH 5.0   | 32.    | 0.1 M Sodium citrate tribasic dihydrate pH 5.6       | 32.    | 16% w/v Polyethylene glycol 3,350 |
| 33.    | 2% v/v Tacsimate™ pH 6.0   | 33.    | 0.1 M BIS-TRIS pH 6.5                                | 33.    | 20% w/v Polyethylene glycol 3,350 |
| 34.    | 2% v/v Tacsimate™ pH 7.0   | 34.    | 0.1 M HEPES pH 7.5                                   | 34.    | 20% w/v Polyethylene glycol 3,350 |
| 35.    | 2% v/v Tacsimate™ pH 8.0   | 35.    | 0.1 M Tris pH 8.5                                    | 35.    | 16% w/v Polyethylene glycol 3,350 |
| 36.    | None   | 36.    | 0.07 M Citric acid, 0.03 M BIS-TRIS propane / pH 3.4 | 36.    | 16% w/v Polyethylene glycol 3,350 |
| 37.    | None   | 37.    | 0.06 M Citric acid, 0.04 M BIS-TRIS propane / pH 4.1 | 37.    | 16% w/v Polyethylene glycol 3,350 |
| 38.    | None   | 38.    | 0.05 M Citric acid, 0.05 M BIS-TRIS propane / pH 5.0 | 38.    | 16% w/v Polyethylene glycol 3,350 |
| 39.    | None   | 39.    | 0.04 M Citric acid, 0.06 M BIS-TRIS propane / pH 6.4 | 39.    | 20% w/v Polyethylene glycol 3,350 |
| 40.    | None   | 40.    | 0.03 M Citric acid, 0.07 M BIS-TRIS propane / pH 7.6 | 40.    | 20% w/v Polyethylene glycol 3,350 |
| 41.    | None   | 41.    | 0.02 M Citric acid, 0.08 M BIS-TRIS propane / pH 8.8 | 41.    | 16% w/v Polyethylene glycol 3,350 |
| 42.    | 0.02 M Calcium chloride dihydrate,<br>0.02 M Cadmium chloride hydrate,<br>0.02 M Cobalt(II) chloride hexahydrate | 42.    | None   | 42.    | 20% w/v Polyethylene glycol 3,350 |
| 43.    | 0.01 M Magnesium chloride hexahydrate<br>0.005 M Nickel(II) chloride hexahydrate                                 | 43.    | 0.1 M HEPES sodium pH 7.0                            | 43.    | 15% w/v Polyethylene glycol 3,350 |
| 44.    | 0.02 M Zinc chloride   | 44.    | None   | 44.    | 20% w/v Polyethylene glycol 3,350 |
| 45.    | 0.15 M Cesium chloride   | 45.    | None   | 45.    | 15% w/v Polyethylene glycol 3,350 |
| 46.    | 0.2 M Sodium bromide   | 46.    | None   | 46.    | 20% w/v Polyethylene glycol 3,350 |
| 47.    | 1% w/v Tryptone,<br>0.001 M Sodium azide   | 47.    | 0.05 M HEPES sodium pH 7.0                           | 47.    | 12% w/v Polyethylene glycol 3,350 |
| 48.    | 1% w/v Tryptone,<br>0.001 M Sodium azide   | 48.    | 0.05 M HEPES sodium pH 7.0                           | 48.    | 20% w/v Polyethylene glycol 3,350 |

$\diamond$  Buffer pH is that of a 1.0 M stock prior to dilution with other reagent components: pH with HCl or NaOH.

PEG/Ion 2 Screen contains forty-eight unique reagents. To determine the formulation of each reagent, simply read across the page.