

| Tube # | Salt                                    | Tube # | Buffer ◇                               |
|--------|---|--------|--|
| 1.     | 1.8 M Sodium acetate trihydrate pH 7.0  | 1.     | 0.1 M BIS-TRIS propane pH 7.0          |
| 2.     | 2.8 M Sodium acetate trihydrate pH 7.0  | 2.     | 0.1 M BIS-TRIS propane pH 7.0          |
| 3.     | 1.5 M Ammonium chloride                 | 3.     | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 4.     | 1.5 M Ammonium chloride                 | 4.     | 0.1 M BIS-TRIS propane pH 7.0          |
| 5.     | 1.5 M Ammonium chloride                 | 5.     | 0.1 M Tris pH 8.5                      |
| 6.     | 3.5 M Ammonium chloride                 | 6.     | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 7.     | 3.5 M Ammonium chloride                 | 7.     | 0.1 M BIS-TRIS propane pH 7.0          |
| 8.     | 3.5 M Ammonium chloride                 | 8.     | 0.1 M Tris pH 8.5                      |
| 9.     | 2.2 M Sodium chloride                   | 9.     | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 10.    | 2.2 M Sodium chloride                   | 10.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 11.    | 2.2 M Sodium chloride                   | 11.    | 0.1 M Tris pH 8.5                      |
| 12.    | 3.2 M Sodium chloride                   | 12.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 13.    | 3.2 M Sodium chloride                   | 13.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 14.    | 3.2 M Sodium chloride                   | 14.    | 0.1 M Tris pH 8.5                      |
| 15.    | 1.0 M Ammonium citrate dibasic          | 15.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 16.    | 1.8 M Ammonium citrate dibasic          | 16.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 17.    | 1.0 M Ammonium citrate tribasic pH 7.0  | 17.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 18.    | 2.0 M Ammonium citrate tribasic pH 7.0  | 18.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 19.    | 0.7 M Sodium citrate tribasic dihydrate | 19.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 20.    | 0.7 M Sodium citrate tribasic dihydrate | 20.    | 0.1 M Tris pH 8.5                      |
| 21.    | 1.2 M Sodium citrate tribasic dihydrate | 21.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 22.    | 1.2 M Sodium citrate tribasic dihydrate | 22.    | 0.1 M Tris pH 8.5                      |
| 23.    | 0.4 M Magnesium formate dihydrate       | 23.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 24.    | 0.4 M Magnesium formate dihydrate       | 24.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 25.    | 0.4 M Magnesium formate dihydrate       | 25.    | 0.1 M Tris pH 8.5                      |
| 26.    | 0.7 M Magnesium formate dihydrate       | 26.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 27.    | 2.0 M Sodium formate                    | 27.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 28.    | 2.0 M Sodium formate                    | 28.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 29.    | 2.0 M Sodium formate                    | 29.    | 0.1 M Tris pH 8.5                      |
| 30.    | 3.5 M Sodium formate                    | 30.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 31.    | 3.5 M Sodium formate                    | 31.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 32.    | 3.5 M Sodium formate                    | 32.    | 0.1 M Tris pH 8.5                      |
| 33.    | 1.2 M DL-Malic acid pH 7.0              | 33.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 34.    | 2.2 M DL-Malic acid pH 7.0              | 34.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 35.    | 1.4 M Sodium malonate pH 7.0            | 35.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 36.    | 2.4 M Sodium malonate pH 7.0            | 36.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 37.    | 2.5 M Ammonium nitrate                  | 37.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 38.    | 2.5 M Ammonium nitrate                  | 38.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 39.    | 2.5 M Ammonium nitrate                  | 39.    | 0.1 M Tris pH 8.5                      |
| 40.    | 6.0 M Ammonium nitrate                  | 40.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 41.    | 6.0 M Ammonium nitrate                  | 41.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 42.    | 6.0 M Ammonium nitrate                  | 42.    | 0.1 M Tris pH 8.5                      |
| 43.    | 1.5 M Sodium nitrate                    | 43.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 44.    | 1.5 M Sodium nitrate                    | 44.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 45.    | 1.5 M Sodium nitrate                    | 45.    | 0.1 M Tris pH 8.5                      |
| 46.    | 4.0 M Sodium nitrate                    | 46.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 47.    | 4.0 M Sodium nitrate                    | 47.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 48.    | 4.0 M Sodium nitrate                    | 48.    | 0.1 M Tris pH 8.5                      |

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

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| Tube # | Salt  | Tube # | Buffer ◇                               |
|--------|---|--------|--|
| 49.    | 1.0 M Ammonium phosphate monobasic  | 49.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 50.    | 1.8 M Ammonium phosphate monobasic  | 50.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 51.    | 1.5 M Ammonium phosphate dibasic  | 51.    | 0.1 M Tris pH 8.5                      |
| 52.    | 2.4 M Ammonium phosphate dibasic  | 52.    | 0.1 M Tris pH 8.5                      |
| 53.    | 1.0 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 5.0 | 53.    | None                                   |
| 54.    | 1.0 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 6.9 | 54.    | None                                   |
| 55.    | 1.0 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 8.2 | 55.    | None                                   |
| 56.    | 1.8 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 5.0 | 56.    | None                                   |
| 57.    | 1.8 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 6.9 | 57.    | None                                   |
| 58.    | 1.8 M Sodium phosphate monobasic monohydrate,<br>Potassium phosphate dibasic / pH 8.2 | 58.    | None                                   |
| 59.    | 0.5 M Succinic acid pH 7.0  | 59.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 60.    | 1.0 M Succinic acid pH 7.0  | 60.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 61.    | 1.5 M Ammonium sulfate  | 61.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 62.    | 1.5 M Ammonium sulfate  | 62.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 63.    | 1.5 M Ammonium sulfate  | 63.    | 0.1 M Tris pH 8.5                      |
| 64.    | 2.5 M Ammonium sulfate  | 64.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 65.    | 2.5 M Ammonium sulfate  | 65.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 66.    | 2.5 M Ammonium sulfate  | 66.    | 0.1 M Tris pH 8.5                      |
| 67.    | 0.8 M Lithium sulfate monohydrate   | 67.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 68.    | 0.8 M Lithium sulfate monohydrate   | 68.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 69.    | 0.8 M Lithium sulfate monohydrate   | 69.    | 0.1 M Tris pH 8.5                      |
| 70.    | 1.5 M Lithium sulfate monohydrate   | 70.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 71.    | 1.5 M Lithium sulfate monohydrate   | 71.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 72.    | 1.5 M Lithium sulfate monohydrate   | 72.    | 0.1 M Tris pH 8.5                      |
| 73.    | 1.0 M Magnesium sulfate hydrate   | 73.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 74.    | 1.0 M Magnesium sulfate hydrate   | 74.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 75.    | 1.0 M Magnesium sulfate hydrate   | 75.    | 0.1 M Tris pH 8.5                      |
| 76.    | 1.8 M Magnesium sulfate hydrate   | 76.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 77.    | 1.8 M Magnesium sulfate hydrate   | 77.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 78.    | 1.8 M Magnesium sulfate hydrate   | 78.    | 0.1 M Tris pH 8.5                      |
| 79.    | 0.7 M Ammonium tartrate dibasic   | 79.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 80.    | 0.7 M Ammonium tartrate dibasic   | 80.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 81.    | 0.7 M Ammonium tartrate dibasic   | 81.    | 0.1 M Tris pH 8.5                      |
| 82.    | 1.0 M Ammonium tartrate dibasic   | 82.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 83.    | 1.3 M Ammonium tartrate dibasic   | 83.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 84.    | 1.4 M Ammonium tartrate dibasic   | 84.    | 0.1 M Tris pH 8.5                      |
| 85.    | 0.6 M Potassium sodium tartrate tetrahydrate  | 85.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 86.    | 1.2 M Potassium sodium tartrate tetrahydrate  | 86.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 87.    | 0.6 M Potassium sodium tartrate tetrahydrate  | 87.    | 0.1 M Tris pH 8.5                      |
| 88.    | 1.2 M Potassium sodium tartrate tetrahydrate  | 88.    | 0.1 M Tris pH 8.5                      |
| 89.    | 0.5 M Potassium thiocyanate   | 89.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 90.    | 0.5 M Potassium thiocyanate   | 90.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 91.    | 0.5 M Potassium thiocyanate   | 91.    | 0.1 M Tris pH 8.5                      |
| 92.    | 4.0 M Ammonium acetate  | 92.    | 0.1 M Sodium acetate trihydrate pH 4.6 |
| 93.    | 4.0 M Ammonium acetate  | 93.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 94.    | 4.0 M Ammonium acetate  | 94.    | 0.1 M Tris pH 8.5                      |
| 95.    | 35% v/v Tacsimate pH 7.0  | 95.    | 0.1 M BIS-TRIS propane pH 7.0          |
| 96.    | 60% v/v Tacsimate pH 7.0  | 96.    | 0.1 M BIS-TRIS propane pH 7.0          |

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