



Pi-minimal Screen

Cat.-No.: CS-127

SCREEN FORMULATION



| No. | Precipitant | Buffer | Additive |
|-----|---|------------------------------------|----------------------------------|
| A1 | 600 mM Sodium Potassium phosphate; pH 4.0 | 150 mM Sodium formate; pH 4.0 | 160 mM Potassium bromide |
| A2 | 24 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM Sodium acetate; pH 4.5 | 8 % v/v Polyethylene glycol 300 |
| A3 | 2 M Ammonium nitrate | 150 mM di-Sodium DL-malate; pH 5.0 | 160 mM Magnesium sulfate |
| A4 | 10 % w/v Polyethylene glycol 20,000 | 150 mM tri-Sodium citrate; pH 5.5 | 32 mM Sodium fluoride |
| A5 | 30 % w/v Polyethylene glycol 1,000 | 150 mM MES; pH 6.0 | 80 mM Potassium thiocyanate |
| A6 | 1.6 M Sodium chloride | 150 mM MES; pH 6.5 | 160 mM Sodium iodide |
| A7 | 24 % w/v Polyethylene glycol 4,000 | 150 mM MOPS; pH 7.0 | 8 % v/v 1,2-Propanediol |
| A8 | 800 mM Lithium sulfate | 150 mM HEPES; pH 7.5 | none |
| A9 | 20 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM TRIS; pH 8.0 | 8 % v/v Ethylene glycol |
| A10 | 36 % w/v Glycerol | 150 mM TAPS; pH 8.5 | 80 mM Potassium Sodium tartrate |
| A11 | 1.4 M Ammonium sulfate | 150 mM AMPD - TRIS buffer; pH 9.0 | 8 % v/v 2-Methyl-2,4-pentanediol |
| A12 | 20 % w/v Polyethylene glycol 8,000 | 150 mM CAPSO; pH 9.5 | 8 % v/v 2-Butanol |
| B1 | 2.29 M Ammonium nitrate | 150 mM Sodium formate; pH 4.0 | 70 mM Calcium chloride |
| B2 | 11.4 % w/v Polyethylene glycol 20,000 | 150 mM Sodium acetate; pH 4.5 | 7 % v/v Ethylene glycol |
| B3 | 34.3 % w/v Polyethylene glycol 1,000 | 150 mM di-Sodium DL-malate; pH 5.0 | 70 mM Potassium Sodium tartrate |
| B4 | 1.83 M Sodium chloride | 150 mM tri-Sodium citrate; pH 5.5 | 7 % v/v 2-Methyl-2,4-pentanediol |
| B5 | 27.4 % w/v Polyethylene glycol 4,000 | 150 mM MES; pH 6.0 | 7 % v/v 2-Butanol |
| B6 | 910 mM Lithium sulfate | 150 mM MES; pH 6.5 | 140 mM Potassium bromide |
| B7 | 22.9 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM MOPS; pH 7.0 | 7 % v/v Polyethylene glycol 300 |
| B8 | 41.1 % w/v Glycerol | 150 mM HEPES; pH 7.5 | 140 mM Magnesium sulfate |
| B9 | 1.6 M Ammonium sulfate | 150 mM TRIS; pH 8.0 | 28 mM Sodium fluoride |
| B10 | 22.9 % w/v Polyethylene glycol 8,000 | 150 mM TAPS; pH 8.5 | 70 mM Potassium thiocyanate |
| B11 | 690 mM Sodium Potassium phosphate; pH 9.0 | 150 mM AMPD - TRIS buffer; pH 9.0 | 140 mM Sodium iodide |
| B12 | 28 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM CAPSO; pH 9.5 | 7 % v/v 1,2-Propanediol |

*pH values indicated are those of the 1.0 M buffer stock solution prior to dilution with other components

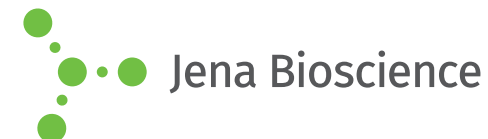




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| C1 | 38.6 % w/v Polyethylene glycol 1,000 | 150 mM Sodium formate; pH 4.0 | 120 mM Magnesium sulfate |
| C2 | 2.06 M Sodium chloride | 150 mM Sodium acetate; pH 4.5 | 24 mM Sodium fluoride |
| C3 | 30.9 % w/v Polyethylene glycol 4,000 | 150 mM di-Sodium DL-malate; pH 5.0 | 60 mM Potassium thiocyanate |
| C4 | 1.03 M Lithium sulfate | 150 mM tri-Sodium citrate; pH 5.5 | 120 mM Sodium iodide |
| C5 | 25.7 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM MES; pH 6.0 | 6 % v/v 1,2-Propanediol |
| C6 | 46.3 % w/v Glycerol | 150 mM MES; pH 6.5 | 60 mM Calcium chloride |
| C7 | 1.8 M Ammonium sulfate | 150 mM MOPS; pH 7.0 | 6 % v/v Ethylene glycol |
| C8 | 25.7 % w/v Polyethylene glycol 8,000 | 150 mM HEPES; pH 7.5 | 60 mM Potassium Sodium tartrate |
| C9 | 770 mM Sodium Potassium phosphate; pH 8.0 | 150 mM TRIS; pH 8.0 | 6 % v/v 2-Methyl-2,4-pentanediol |
| C10 | 31 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM TAPS; pH 8.5 | 6 % v/v 2-Butanol |
| C11 | 2.57 M Ammonium nitrate | 150 mM AMPD - TRIS buffer; pH 9.0 | 120 mM Potassium bromide |
| C12 | 12.9 % w/v Polyethylene glycol 20,000 | 150 mM CAPSO; pH 9.5 | 6 % v/v Polyethylene glycol 300 |
| D1 | 34.3 % w/v Polyethylene glycol 4,000 | 150 mM Sodium formate; pH 4.0 | none |
| D2 | 1.14 M Lithium sulfate | 150 mM Sodium acetate; pH 4.5 | 5 % v/v 2-Methyl-2,4-pentanediol |
| D3 | 28.6 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM di-Sodium DL-malate; pH 5.0 | 5 % v/v 2-Butanol |
| D4 | 51.4 % w/v Glycerol | 150 mM tri-Sodium citrate; pH 5.5 | 100 mM Potassium bromide |
| D5 | 2 M Ammonium sulfate | 150 mM MES; pH 6.0 | 5 % v/v Polyethylene glycol 300 |
| D6 | 28.6 % w/v Polyethylene glycol 8,000 | 150 mM MES; pH 6.5 | 100 mM Magnesium sulfate |
| D7 | 860 mM Sodium Potassium phosphate; pH 7.0 | 150 mM MOPS; pH 7.0 | 20 mM Sodium fluoride |
| D8 | 34 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM HEPES; pH 7.5 | 50 mM Potassium thiocyanate |
| D9 | 2.86 M Ammonium nitrate | 150 mM TRIS; pH 8.0 | 100 mM Sodium iodide |
| D10 | 14.3 % w/v Polyethylene glycol 20,000 | 150 mM TAPS; pH 8.5 | 5 % v/v 1,2-Propanediol |
| D11 | 42.9 % w/v Polyethylene glycol 1,000 | none | 50 mM Calcium chloride |
| D12 | 2.29 M Sodium chloride | 150 mM CAPSO; pH 9.5 | 5 % v/v Ethylene glycol |

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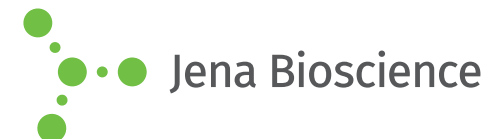




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| E1 | 31.4 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM Sodium formate; pH 4.0 | 40 mM Potassium thiocyanate |
| E2 | 56.6 % w/v Glycerol | 150 mM Sodium acetate; pH 4.5 | 80 mM Sodium iodide |
| E3 | 2.2 M Ammonium sulfate | 150 mM di-Sodium DL-malate; pH 5.0 | 4 % v/v 1,2-Propanediol |
| E4 | 31.4 % w/v Polyethylene glycol 8,000 | 150 mM tri-Sodium citrate; pH 5.5 | none |
| E5 | 940 mM Sodium Potassium phosphate; pH 6.0 | 150 mM MES; pH 6.0 | 4 % v/v Ethylene glycol |
| E6 | 37.7 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM MES; pH 6.5 | 40 mM Potassium Sodium tartrate |
| E7 | 3.14 M Ammonium nitrate | 150 mM MOPS; pH 7.0 | 4 % v/v 2-Methyl-2,4-pentanediol |
| E8 | 15.7 % w/v Polyethylene glycol 20,000 | 150 mM HEPES; pH 7.5 | 4 % v/v 2-Butanol |
| E9 | 47.1 % w/v Polyethylene glycol 1,000 | 150 mM TRIS; pH 8.0 | 80 mM Potassium bromide |
| E10 | 2.51 M Sodium chloride | 150 mM TAPS; pH 8.5 | 4 % v/v Polyethylene glycol 300 |
| E11 | 37.7 % w/v Polyethylene glycol 4,000 | 150 mM AMPD - TRIS buffer; pH 9.0 | 80 mM Magnesium sulfate |
| E12 | 1.26 M Lithium sulfate | 150 mM CAPSO; pH 9.5 | none |
| F1 | 2.4 M Ammonium sulfate | 150 mM Sodium formate; pH 4.0 | 3 % v/v 2-Butanol |
| F2 | 34.3 % w/v Polyethylene glycol 8,000 | 150 mM Sodium acetate; pH 4.5 | 60 mM Potassium bromide |
| F3 | 1.03 M Sodium Potassium phosphate; pH 5.0 | 150 mM di-Sodium DL-malate; pH 5.0 | 3 % v/v Polyethylene glycol 300 |
| F4 | 42 % v/v Polyethylene glycol monomethyl ether 550 | none | 60 mM Magnesium sulfate |
| F5 | 3.43 M Ammonium nitrate | 150 mM MES; pH 6.0 | 12 mM Sodium fluoride |
| F6 | 17.1 % w/v Polyethylene glycol 20,000 | 150 mM MES; pH 6.5 | 30 mM Potassium thiocyanate |
| F7 | 51.4 % w/v Polyethylene glycol 1,000 | 150 mM MOPS; pH 7.0 | 60 mM Sodium iodide |
| F8 | 2.74 M Sodium chloride | 150 mM HEPES; pH 7.5 | 3 % v/v 1,2-Propanediol |
| F9 | 41.1 % w/v Polyethylene glycol 4,000 | 150 mM TRIS; pH 8.0 | 30 mM Calcium chloride |
| F10 | 1.37 M Lithium sulfate | 150 mM TAPS; pH 8.5 | 3 % v/v Ethylene glycol |
| F11 | 34.3 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM AMPD - TRIS buffer; pH 9.0 | 30 mM Potassium Sodium tartrate |
| F12 | 61.7 % w/v Glycerol | 150 mM CAPSO; pH 9.5 | 3 % v/v 2-Methyl-2,4-pentanediol |

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|-----|---|------------------------------------|----------------------------------|
| G1 | 1.11 M Sodium Potassium phosphate; pH 4.0 | 150 mM Sodium formate; pH 4.0 | 2 % v/v 1,2-Propanediol |
| G2 | 44.6 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM Sodium acetate; pH 4.5 | none |
| G3 | 3.71 M Ammonium nitrate | 150 mM di-Sodium DL-malate; pH 5.0 | 2 % v/v Ethylene glycol |
| G4 | 18.6 % w/v Polyethylene glycol 20,000 | 150 mM tri-Sodium citrate; pH 5.5 | 20 mM Potassium Sodium tartrate |
| G5 | 55.7 % w/v Polyethylene glycol 1,000 | 150 mM MES; pH 6.0 | 2 % v/v 2-Methyl-2,4-pentanediol |
| G6 | 2.97 M Sodium chloride | 150 mM MES; pH 6.5 | 2 % v/v 2-Butanol |
| G7 | 44.6 % w/v Polyethylene glycol 4,000 | 150 mM MOPS; pH 7.0 | 40 mM Potassium bromide |
| G8 | 1.49 M Lithium sulfate | 150 mM HEPES; pH 7.5 | 2 % v/v Polyethylene glycol 300 |
| G9 | 37.1 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM TRIS; pH 8.0 | 40 mM Magnesium sulfate |
| G10 | 66.9 % w/v Glycerol | 150 mM TAPS; pH 8.5 | 8 mM Sodium fluoride |
| G11 | 2.6 M Ammonium sulfate | 150 mM AMPD - TRIS buffer; pH 9.0 | 20 mM Potassium thiocyanate |
| G12 | 37.1 % w/v Polyethylene glycol 8,000 | 150 mM CAPSO; pH 9.5 | 40 mM Sodium iodide |
| H1 | 4 M Ammonium nitrate | 150 mM Sodium formate; pH 4.0 | 1 % v/v Polyethylene glycol 300 |
| H2 | 20 % w/v Polyethylene glycol 20,000 | 150 mM Sodium acetate; pH 4.5 | 20 mM Magnesium sulfate |
| H3 | 60 % w/v Polyethylene glycol 1,000 | 150 mM di-Sodium DL-malate; pH 5.0 | 4 mM Sodium fluoride |
| H4 | 3.2 M Sodium chloride | 150 mM tri-Sodium citrate; pH 5.5 | 10 mM Potassium thiocyanate |
| H5 | 48 % w/v Polyethylene glycol 4,000 | 150 mM MES; pH 6.0 | 20 mM Sodium iodide |
| H6 | 1.6 M Lithium sulfate | 150 mM MES; pH 6.5 | 1 % v/v 1,2-Propanediol |
| H7 | 40 % w/v Polyethylene glycol monomethyl ether 5,000 | 150 mM MOPS; pH 7.0 | 10 mM Calcium chloride |
| H8 | 72 % w/v Glycerol | 150 mM HEPES; pH 7.5 | 1 % v/v Ethylene glycol |
| H9 | 2.8 M Ammonium sulfate | 150 mM TRIS; pH 8.0 | 10 mM Potassium Sodium tartrate |
| H10 | 40 % w/v Polyethylene glycol 8,000 | 150 mM TAPS; pH 8.5 | 1 % v/v 2-Methyl-2,4-pentanediol |
| H11 | 1.2 M Sodium Potassium phosphate; pH 9.0 | 150 mM AMPD - TRIS buffer; pH 9.0 | 1 % v/v 2-Butanol |
| H12 | 48 % v/v Polyethylene glycol monomethyl ether 550 | 150 mM CAPSO; pH 9.5 | 20 mM Potassium bromide |

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