



JBScreen Kinase HTS

Cat.-No.: CS-204L

SCREEN FORMULATION



| No. | Precipitant | Buffer | Additive |
|-----|-------------------------------------|-----------------------------------|---|
| A1 | 1 M Ammonium sulfate | 100 mM tri-Sodium citrate; pH 5.6 | 200 mM Magnesium acetate, 10 mM Dithiothreitol |
| A2 | 1.3 M Ammonium sulfate | 100 mM tri-Sodium citrate; pH 5.6 | none |
| A3 | 1.3 M Ammonium sulfate | 100 mM TRIS; pH 8.5 | none |
| A4 | 1.8 M Ammonium sulfate | 100 mM MES; pH 6.5 | 25 mM Cobalt (II) chloride |
| A5 | 2 M Ammonium sulfate | 100 mM tri-Sodium citrate; pH 3.1 | 200 mM Sodium chloride |
| A6 | 2 M Ammonium sulfate | 100 mM Sodium acetate; pH 4.6 | 50 mM Magnesium chloride |
| A7 | 2 M Ammonium sulfate | 100 mM Sodium acetate; pH 4.6 | none |
| A8 | 2 M Ammonium sulfate | 100 mM HEPES; pH 7.5 | 2 % v/v Polyethylene glycol monomethyl ether 550 |
| A9 | 2 M Ammonium sulfate | 100 mM HEPES; pH 7.5 | none |
| A10 | 2 M Ammonium sulfate | 100 mM TRIS; pH 8.5 | 6 mM Magnesium chloride |
| A11 | 1.5 M Lithium sulfate | 100 mM TRIS; pH 8.5 | 10 mM Nickel sulfate |
| A12 | 1 M Lithium chloride | 100 mM tri-Sodium citrate; pH 4.2 | none |
| B1 | 2 M Sodium chloride | 100 mM Sodium acetate; pH 4.6 | none |
| B2 | 2 M Sodium chloride | 100 mM MES; pH 6.5 | 100 mM di-Sodium hydrogen phosphate, 100 mM Potassium di-hydrogen phosphate |
| B3 | 3.3 M Sodium chloride | 100 mM HEPES; pH 7.5 | 1 % v/v Glycerol |
| B4 | 1.2 M Sodium acetate | 100 mM MES; pH 6.5 | 6.3 mM Calcium chloride |
| B5 | 3.7 M Sodium formate | 100 mM BICINE; pH 9.5 | 2 % w/v Polyethylene glycol 3,000 |
| B6 | 500 mM di-Sodium malonate; pH 6.0 | 50 mM PIPES; pH 6.0 | 1.6 % v/v Glycerol, 10 mM Dithiothreitol |
| B7 | 500 mM di-Sodium hydrogen phosphate | 100 mM CAPS; pH 10.0 | 500 mM Potassium di-hydrogen phosphate, 200 mM Lithium sulfate |
| B8 | 1.2 M di-Sodium tartrate | 100 mM TRIS; pH 8.5 | 5 mM Dithiothreitol |
| B9 | 1 M Potassium Sodium tartrate | 100 mM MES; pH 6.5 | none |
| B10 | 30 % v/v Jeffamine® M-600 | 100 mM MES; pH 6.5 | 50 mM Cesium chloride |
| B11 | 40 % v/v 2-Methyl-2,4-pentanediol | 100 mM MES; pH 6.5 | none |
| B12 | 50 % v/v 2-Methyl-2,4-pentanediol | 100 mM HEPES; pH 7.5 | none |

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|-----|---|--|---|
| C1 | 10 % v/v Polyethylene glycol 400 | 50 mM TRIS; pH 8.5 | 1 mM Dithiothreitol, 1 mM Ethylenediaminetetraacetic acid disodium salt, 300 mM Sodium chloride |
| C2 | 15 % v/v Polyethylene glycol 400 | 100 mM HEPES; pH 7.5 | 200 mM Calcium chloride |
| C3 | 25 % v/v Polyethylene glycol 400 | 100 mM MES; pH 6.5 | 10 % v/v 2-Propanol |
| C4 | 25 % v/v Polyethylene glycol 400 | 100 mM TRIS; pH 8.5 | 150 mM tri-Sodium citrate |
| C5 | 15 % v/v Polyethylene glycol monomethyl ether 550 | 100 mM Sodium acetate; pH 4.6 | 5 % v/v Ethylene glycol |
| C6 | 20 % v/v Polyethylene glycol monomethyl ether 550 | 100 mM BICINE; pH 9.0 | 100 mM Sodium chloride |
| C7 | 20 % w/v Polyethylene glycol 1,000 | 100 mM TRIS; pH 8.5 | 1 mM Dithiothreitol |
| C8 | 35 % w/v Polyethylene glycol 1,000 | 100 mM HEPES; pH 7.5 | 50 mM Lithium sulfate |
| C9 | 12 % w/v Polyethylene glycol 2,000 | 100 mM MES; pH 6.5 | 200 mM Magnesium acetate |
| C10 | 25 % w/v Polyethylene glycol 2,000 | 100 mM Sodium acetate; pH 4.6 | 100 mM Magnesium chloride |
| C11 | 30 % w/v Polyethylene glycol 2,000 | 100 mM Sodium acetate; pH 4.6 | 50 mM Magnesium chloride |
| C12 | 24 % w/v Polyethylene glycol monomethyl ether 2,000 | 100 mM Potassium phosphate citrate; pH 5.0 | none |
| D1 | 12 % w/v Polyethylene glycol 3,350 | 100 mM MES; pH 6.5 | 500 mM Sodium chloride |
| D2 | 12 % w/v Polyethylene glycol 3,350 | 50 mM tri-Sodium citrate; pH 5.6 | 200 mM Ammonium sulfate, 50 mM Magnesium sulfate |
| D3 | 15 % w/v Polyethylene glycol 3,350 | 100 mM Imidazole; pH 7.5 | 250 mM Ammonium sulfate, 10 mM Cadmium chloride |
| D4 | 20 % w/v Polyethylene glycol 3,350 | 150 mM di-Sodium DL-malate; pH 7.0 | none |
| D5 | 20 % w/v Polyethylene glycol 3,350 | 100 mM HEPES; pH 7.5 | 200 mM Sodium chloride, 20 mM L-Glutathione reduced |
| D6 | 20 % w/v Polyethylene glycol 3,350 | 100 mM TRIS; pH 8.5 | 120 mM Sodium chloride, 5 mM Dithiothreitol |
| D7 | 20 % w/v Polyethylene glycol 3,350 | none | 200 mM Potassium nitrate |
| D8 | 22 % w/v Polyethylene glycol 3,350 | none | 100 mM Ammonium formate |
| D9 | 24 % w/v Polyethylene glycol 3,350 | 100 mM tri-Sodium citrate; pH 5.0 | none |
| D10 | 30 % w/v Polyethylene glycol 3,350 | 100 mM Sodium acetate; pH 4.6 | 200 mM Ammonium acetate |
| D11 | 30 % w/v Polyethylene glycol 3,350 | 200 mM Ammonium acetate; pH 5.6 | 20 % v/v 2-Propanol, 200 mM Calcium chloride |
| D12 | 32.5 % w/v Polyethylene glycol 3,350 | 100 mM TRIS; pH 8.5 | 500 mM Sodium chloride, 200 mM Magnesium chloride |

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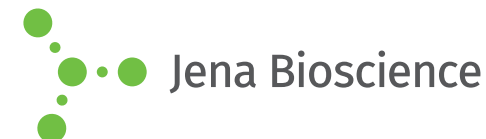




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| E1 | 8 % w/v Polyethylene glycol 4,000 | 50 mM MES; pH 6.5 | 10 mM Magnesium chloride, 10 mM Dithiothreitol |
| E2 | 10 % w/v Polyethylene glycol 4,000 | 50 mM PIPES; pH 7.0 | 10 mM Dithiothreitol |
| E3 | 10 % w/v Polyethylene glycol 4,000 | 100 mM HEPES; pH 7.5 | 15 % v/v Ethylene glycol, 10 % v/v 2-Propanol, 200 mM Magnesium chloride |
| E4 | 10 % w/v Polyethylene glycol 4,000 | 100 mM HEPES; pH 7.5 | none |
| E5 | 15 % w/v Polyethylene glycol 4,000 | 100 mM HEPES; pH 7.5 | 10 % v/v 2-Propanol |
| E6 | 15 % w/v Polyethylene glycol 4,000 | 75 mM TRIS; pH 8.5 | 200 mM Sodium chloride, 1 % w/v Polyethylene glycol 6,000, 75 mM Sodium acetate |
| E7 | 15 % w/v Polyethylene glycol 4,000 | 100 mM di-Sodium DL-malate; pH 5.5 | 200 mM Ammonium sulfate |
| E8 | 20 % w/v Polyethylene glycol 4,000 | 100 mM BIS-TRIS; pH 6.5 | 100 mM Sodium chloride |
| E9 | 20 % w/v Polyethylene glycol 4,000 | 100 mM HEPES; pH 7.5 | 200 mM Magnesium chloride |
| E10 | 20 % w/v Polyethylene glycol 4,000 | 100 mM TRIS; pH 8.5 | 200 mM Magnesium chloride |
| E11 | 25 % w/v Polyethylene glycol 4,000 | 100 mM MES; pH 6.5 | 200 mM Magnesium chloride |
| E12 | 25 % w/v Polyethylene glycol 4,000 | 100 mM TRIS; pH 8.5 | 100 mM Lithium sulfate |
| F1 | 28 % w/v Polyethylene glycol 4,000 | 200 mM Lithium acetate; pH 7.5 | none |
| F2 | 30 % w/v Polyethylene glycol 4,000 | 100 mM MES; pH 6.5 | 200 mM Sodium acetate |
| F3 | 30 % w/v Polyethylene glycol 4,000 | 150 mM TRIS; pH 8.5 | 200 mM Ammonium sulfate |
| F4 | 8 % w/v Polyethylene glycol monomethyl ether 5,000 | 100 mM HEPES; pH 7.5 | 10 % v/v 2-Propanol |
| F5 | 25 % w/v Polyethylene glycol monomethyl ether 5,000 | 100 mM MES; pH 6.5 | 200 mM Ammonium sulfate |
| F6 | 30 % w/v Polyethylene glycol monomethyl ether 5,000 | 100 mM HEPES; pH 7.5 | 200 mM Ammonium sulfate |
| F7 | 30 % w/v Polyethylene glycol monomethyl ether 5,000 | 100 mM ADA; pH 6.5 | 100 mM Ammonium sulfate |
| F8 | 20 % w/v Polyethylene glycol 6,000 | 100 mM MES; pH 6.5 | none |
| F9 | 28 % w/v Polyethylene glycol 6,000 | 100 mM MES; pH 6.5 | 10 mM Dithiothreitol |
| F10 | 30 % w/v Polyethylene glycol 6,000 | 100 mM HEPES; pH 7.5 | 175 mM Lithium sulfate |
| F11 | 30 % w/v Polyethylene glycol 6,000 | 100 mM PIPES; pH 7.0 | 10 mM Dithiothreitol |
| F12 | 32 % w/v Polyethylene glycol 6,000 | 100 mM MES; pH 6.5 | none |

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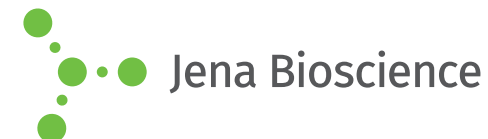




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|-----|-------------------------------------|-----------------------------------|--|
| G1 | 7 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | 20 % v/v Ethylene glycol |
| G2 | 7 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | 150 mM Calcium acetate, 16 % v/v Ethylene glycol |
| G3 | 10 % w/v Polyethylene glycol 8,000 | 100 mM TRIS; pH 8.5 | 10 % v/v Polyethylene glycol 200 |
| G4 | 12 % w/v Polyethylene glycol 8,000 | 100 mM HEPES; pH 7.5 | none |
| G5 | 12 % w/v Polyethylene glycol 8,000 | 100 mM TRIS; pH 8.5 | 250 mM di-Sodium tartrate |
| G6 | 16 % w/v Polyethylene glycol 8,000 | 100 mM HEPES; pH 7.5 | 100 mM Potassium di-hydrogen phosphate |
| G7 | 16 % w/v Polyethylene glycol 8,000 | 100 mM HEPES; pH 7.5 | 150 mM Sodium chloride, 2 % v/v Ethylene glycol |
| G8 | 18 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | 200 mM Magnesium acetate |
| G9 | 18 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | none |
| G10 | 18 % w/v Polyethylene glycol 8,000 | 100 mM TRIS; pH 8.5 | none |
| G11 | 20 % w/v Polyethylene glycol 8,000 | 100 mM tri-Sodium citrate; pH 5.0 | 100 mM Magnesium acetate |
| G12 | 20 % w/v Polyethylene glycol 8,000 | 100 mM TRIS; pH 8.5 | 200 mM Magnesium chloride, 2 % v/v Ethylene glycol |
| H1 | 22 % w/v Polyethylene glycol 8,000 | 100 mM TRIS; pH 8.5 | 2 % v/v Ethylene glycol |
| H2 | 25 % w/v Polyethylene glycol 8,000 | 100 mM Sodium acetate; pH 4.6 | 50 mM Magnesium chloride |
| H3 | 30 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | 200 mM Ammonium sulfate, 4 % v/v 1,3-Propanediol |
| H4 | 30 % w/v Polyethylene glycol 8,000 | 100 mM HEPES; pH 7.5 | 10 mM Dithiothreitol, 20 % v/v Glycerol |
| H5 | 9 % w/v Polyethylene glycol 8,000 | 100 mM MES; pH 6.5 | 200 mM Zinc acetate |
| H6 | 16 % w/v Polyethylene glycol 10,000 | 100 mM BIS-TRIS; pH 6.5 | 300 mM Ammonium sulfate, 5 % v/v Ethylene glycol |
| H7 | 10 % w/v Polyethylene glycol 10,000 | 100 mM HEPES; pH 7.5 | 8 % v/v Ethylene glycol |
| H8 | 15 % w/v Polyethylene glycol 10,000 | 100 mM HEPES; pH 7.5 | 5 mM Dithiothreitol |
| H9 | 15 % w/v Polyethylene glycol 10,000 | 100 mM TRIS; pH 8.5 | none |
| H10 | 12 % w/v Polyethylene glycol 20,000 | 100 mM MES; pH 6.5 | none |
| H11 | 10 % w/v Polyethylene glycol 20,000 | 100 mM HEPES; pH 7.5 | 100 mM Ammonium formate |
| H12 | 15 % w/v Polyethylene glycol 20,000 | none | 10 mM Potassium hydrogen tartrate |

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