

## Supplementary material

### OptiMix-1

Optimix-1 No.1 : 0.8 M calcium acetate, 25% w/v polyethylene glycol 1000  
Optimix-1 No.2 : 0.4 M sodium acetate, 0.1 M sodium citrate (pH 5.6), 15% v/v 1,4-butanediol  
Optimix-1 No.3 : 1.0 M ammonium formate, 0.1 M sodium citrate (pH 5.6), 20% w/v polyethylene glycol MME 5000  
Optimix-1 No.4 : 1.0 M potassium chloride, 0.1 M sodium cacodylate (pH 6.5), 20% w/v polyethylene glycol 1500  
Optimix-1 No.5 : 0.75 M potassium phosphate dibasic, 0.1 M sodium acetate (pH 4.6), 15% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.6 : 0.6 M sodium acetate, 10% w/v polyethylene glycol 10000, 10% v/v ethylene glycol  
Optimix-1 No.7 : 1.0 M lithium chloride, 20% w/v polyethylene glycol 8000  
Optimix-1 No.8 : 1.0 M ammonium formate, 20% w/v polyethylene glycol 1500  
Optimix-1 No.9 : 0.8 M lithium acetate, 20% w/v polyethylene glycol 6000  
Optimix-1 No.10 : 0.6 M magnesium chloride, 20% w/v polyethylene glycol MME 1900  
Optimix-1 No.11 : 1.0 M lithium nitrate, 25% w/v polyethylene glycol MME 5000  
Optimix-1 No.12 : 0.5 M lithium sulfate, 0.1 M sodium acetate (pH 4.6), 0.5 M sodium malonate  
Optimix-1 No.13 : 0.6 M sodium nitrate, 0.1 M MES (pH 6.0), 0.5 M potassium sodium tartrate  
Optimix-1 No.14 : 0.8 M potassium nitrate, 0.1 M bicine (pH 9.0), 30% w/v polyethylene glycol MME 1900  
Optimix-1 No.15 : 0.4 M potassium acetate, 0.1 M MES (pH 6.0), 30% w/v polyethylene glycol 1000  
Optimix-1 No.16 : 0.5 M ammonium tartrate, 0.1 M sodium cacodylate (pH 6.5), 10% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.17 : 0.5 M ammonium citrate, 0.1 M HEPES (pH 7.5), 16% w/v polyethylene glycol 3350  
Optimix-1 No.18 : 0.4 M calcium chloride, 0.1 M sodium acetate (pH 4.6), 25% w/v polyethylene glycol 1000  
Optimix-1 No.19 : 0.4 M lithium sulfate, 1.0 M magnesium sulfate  
Optimix-1 No.20 : 0.4 M lithium sulfate, 0.1 M bis-Tris propane (pH 7.0), 10% w/v polyethylene glycol 20000  
Optimix-1 No.21 : 0.4 M nickel (II) chloride, 0.1 M MES (pH 6.0), 20% w/v polyethylene glycol 3000  
Optimix-1 No.22 : 0.6 M calcium acetate, 0.1 M HEPES (pH 7.5)  
Optimix-1 No.23 : 0.6 M sodium citrate, tribasic, 0.1 M MES (pH 6.0)  
Optimix-1 No.24 : 0.5 M potassium sodium tartrate, 15% w/v polyethylene glycol 1000  
Optimix-1 No.25 : 0.6 M sodium iodide, 0.1 M sodium acetate (pH 4.6), 20% w/v polyethylene glycol MME 1900  
Optimix-1 No.26 : 0.6 M sodium tartrate, 0.1 M sodium acetate (pH 4.6)  
Optimix-1 No.27 : 0.6 M potassium thiocyanate, 0.1 M sodium citrate (pH 5.6), 10% w/v polyethylene glycol 6000  
Optimix-1 No.28 : 0.5 M lithium acetate, 0.1 M HEPES (pH 7.5), 15% w/v polyethylene glycol 10000  
Optimix-1 No.29 : 0.5 M ammonium citrate, 0.1 M sodium citrate (pH 5.6)  
Optimix-1 No.30 : 0.25 M sodium tartrate, 0.1 M bis-Tris propane (pH 7.0), 4% w/v polyethylene glycol 10000, 10% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.31 : 0.4 M sodium sulfate, 0.1 M imidazole (pH 6.5), 0.5 M magnesium sulfate  
Optimix-1 No.32 : 0.4 M potassium sulfate, 0.1 M imidazole (pH 6.5), 0.12M magnesium formate  
Optimix-1 No.33 : 0.5 M sodium nitrate, 0.1 M sodium acetate (pH 4.6), 10% w/v polyethylene glycol 8000  
Optimix-1 No.34 : 0.5 M potassium thiocyanate, 0.1 M HEPES (pH 7.5), 20% w/v polyethylene glycol MME 1900  
Optimix-1 No.35 : 0.6 M sodium acetate, 0.1 M HEPES (pH 7.5), 0.5 M sodium malonate  
Optimix-1 No.36 : 1.0 M potassium thiocyanate, 0.1 M Tris HCl (pH 8.5)  
Optimix-1 No.37 : 0.4 M magnesium formate, 0.1 M MES (pH 6.0), 10% w/v polyethylene glycol 20000  
Optimix-1 No.38 : 0.3 M sodium citrate, 12.5% w/v polyethylene glycol 1500  
Optimix-1 No.39 : 0.5 M sodium acetate, 5% v/v jeffamine M-600  
Optimix-1 No.40 : 0.4 M sodium malonate, 0.1 M Tris HCl (pH 8.5)  
Optimix-1 No.41 : 0.4 M sodium formate, 0.1 M sodium cacodylate (pH 6.5), 10% w/v polyethylene glycol 6000  
Optimix-1 No.42 : 0.4 M cadmium chloride, 0.1 M bis-Tris propane (pH 7.0), 20% w/v polyethylene glycol 1000  
Optimix-1 No.43 : 0.1 M potassium sulfate, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol MME 1900  
Optimix-1 No.44 : 0.25 M sodium tartrate, 0.1 M sodium cacodylate (pH 6.5), 10% v/v tert-butanol  
Optimix-1 No.45 : 20% w/v polyethylene glycol 8000

Optimix-1 No.46 : 20% w/v polyethylene glycol 20000  
Optimix-1 No.47 : 0.1 M potassium sulfate, 25% w/v polyethylene glycol 3000  
Optimix-1 No.48 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 10,000  
Optimix-1 No.49 : 25% v/v polyethylene glycol 3000  
Optimix-1 No.50 : 20% w/v polyethylene glycol 10000  
Optimix-1 No.51 : 0.3 M potassium sulfate, 0.1 M bicine (pH 9.0), 10% w/v polyethylene glycol 10000  
Optimix-1 No.52 : 0.1 M magnesium chloride, 0.1 M MES (pH 6.0), 25% w/v polyethylene glycol 3350  
Optimix-1 No.53 : 15% w/v polyethylene glycol MME 5000  
Optimix-1 No.54 : 25% w/v polyethylene glycol 3350  
Optimix-1 No.55 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 3350  
Optimix-1 No.56 : 0.5 M ammonium iodide, 0.1 M MES (pH 6.0), 20% w/v polyethylene glycol 6000  
Optimix-1 No.57 : 0.2 M sodium malonate, 0.1 M sodium citrate (pH 5.6), 10% w/v polyethylene glycol MME 1900  
Optimix-1 No.58 : 0.3 M magnesium chloride, 0.1 M sodium acetate (pH 4.6), 10% w/v polyethylene glycol 8000  
Optimix-1 No.59 : 0.8 M sodium phosphate, monobasic, 10% v/v tert-butanol  
Optimix-1 No.60 : 0.2 M potassium phosphate, dibasic, 0.1 M MES (pH 6.0), 15% w/v polyethylene glycol MME 5000  
Optimix-1 No.61 : 0.4 M potassium nitrate, 0.1 M HEPES (pH 7.5), 20% w/v polyethylene glycol 20000  
Optimix-1 No.62 : 0.4 M magnesium nitrate, 10% w/v polyethylene glycol 3000  
Optimix-1 No.63 : 0.75 M potassium nitrate, 0.1 M bis-Tris propane (pH 7.0), 15% v/v tert-butanol  
Optimix-1 No.64 : 0.5 M potassium acetate, 20% w/v polyethylene glycol MME 5000  
Optimix-1 No.65 : 0.3 M magnesium formate, 0.1 M sodium acetate (pH 4.6), 15% w/v polyethylene glycol 10000  
Optimix-1 No.66 : 0.5 M ammonium sulfate, 7.5% w/v polyethylene glycol 4000  
Optimix-1 No.67 : 0.4 M potassium chloride, 25% w/v polyethylene glycol 6000  
Optimix-1 No.68 : 0.5 M potassium formate, 0.1 M Tris HCl (pH 8.5), 20% w/v polyethylene glycol 3350  
Optimix-1 No.69 : 0.5 M sodium malonate, 10% w/v polyethylene glycol 8000  
Optimix-1 No.70 : 0.4 M sodium malonate, 0.1 M HEPES (pH 7.5), 10% w/v polyethylene glycol 10000  
Optimix-1 No.71 : 0.3 M sodium formate, 30% w/v polyethylene glycol 1500  
Optimix-1 No.72 : 0.5 M ammonium iodide, 0.1 M glycyl-glycine (pH 8.5), 20% w/v polyethylene glycol 3350  
Optimix-1 No.73 : 0.8 M ammonium chloride, 0.1 M sodium cacodylate (pH 6.5), 20% v/v tert-butanol  
Optimix-1 No.74 : 0.3 M magnesium formate, 30% w/v polyethylene glycol MME 1900  
Optimix-1 No.75 : 0.4 M ammonium chloride, 0.1 M imidazole (pH 6.5), 0.8M ammonium phosphate monobasic  
Optimix-1 No.76 : 0.8 M potassium chloride, 20% v/v polyethylene glycol 1500  
Optimix-1 No.77 : 0.5 M magnesium sulfate, 15% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.78 : 0.5 M potassium iodide, 0.1 M sodium citrate (pH 5.6), 25% w/v polyethylene glycol 4000  
Optimix-1 No.79 : 0.4 M ammonium chloride, 0.1 M Tris HCl (pH 8.5), 20% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.80 : 0.8 M ammonium nitrate, 0.1 M CHES (pH 9.5), 30% w/v polyethylene glycol 3350  
Optimix-1 No.81 : 0.6 M sodium iodide, 0.1 M sodium citrate (pH 5.6), 15% w/v polyethylene glycol 20000  
Optimix-1 No.82 : 0.8 M ammonium acetate, 0.1 M MES (pH 6.0), 20% w/v polyethylene glycol 4600  
Optimix-1 No.83 : 0.4 M sodium malonate, 0.1 M sodium cacodylate (pH 6.5), 0.5 M ammonium sulfate  
Optimix-1 No.84 : 0.4 M magnesium nitrate, 0.1 M HEPES (pH 7.5), 20% w/v polyethylene glycol 10000  
Optimix-1 No.85 : 0.6 M calcium chloride, 0.5 M sodium formate  
Optimix-1 No.86 : 0.8 M sodium formate, 0.1 M imidazole (pH 8.0), 10% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-1 No.87 : 0.8 M sodium formate, 0.1 M sodium citrate (pH 5.6), 20% w/v polyethylene glycol MME 5000  
Optimix-1 No.88 : 1.0 M magnesium acetate, 0.1 M Tris HCl (pH 8.5)  
Optimix-1 No.89 : 0.6 M lithium sulfate, 15% w/v polyethylene glycol MME 5000  
Optimix-1 No.90 : 0.2 M potassium formate, 0.1 M sodium cacodylate (pH 6.5), 1.0 M sodium chloride  
Optimix-1 No.91 : 0.8 M potassium nitrate, 0.1 M sodium acetate (pH 4.6), 0.5 M sodium malonate  
Optimix-1 No.92 : 1.0 M ammonium iodide, 0.1 M bicine (pH 9.0), 0.8M ammonium phosphate, dibasic  
Optimix-1 No.93 : 0.8 M lithium nitrate, 0.1 M MES (pH 6.0), 30% w/v polyethylene glycol 4000

Optimix-1 No.94 : 0.6 M magnesium acetate, 0.1 M sodium cacodylate (pH 6.5), 20% w/v polyethylene glycol 3350

Optimix-1 No.95 : 0.6 M sodium malonate, 0.1 M sodium acetate (pH 4.6), 10% v/v 1,4-butanediol

Optimix-1 No.96 : 0.6 M ammonium tartrate, 25% w/v polyethylene glycol 3350

## OptiMix-2

Optimix-2 No.1 : 1.0 M magnesium acetate, 0.1 M HEPES (pH 7.5), 20% w/v polyethylene glycol 1500

Optimix-2 No.2 : 0.8 M sodium formate, 0.1 M glycyl-glycine (pH 8.5), 25% w/v polyethylene glycol MME 1900, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.3 : 0.6 M magnesium acetate, 0.1 M bis-Tris propane (pH 6.0), 20% w/v polyethylene glycol 3000

Optimix-2 No.4 : 1.0 M sodium chloride, 0.1 M CHES (pH 9.5), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.5 : 1.0 M ammonium sulfate, 0.1 M HEPES (pH 7.0), 10% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.6 : 0.6 M magnesium acetate, 15% v/v 1,4-butanediol

Optimix-2 No.7 : 0.8 M potassium chloride, 0.1 M ADA (pH 6.5), 25% w/v polyethylene glycol 3000

Optimix-2 No.8 : 0.8 M ammonium nitrate, 0.1 M sodium acetate (pH 4.6), 15% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.9 : 0.8 M ammonium chloride, 0.1 M sodium acetate (pH 4.6), 10% v/v 2-methyl-2,4-pentanediol (MPD), 0.01% w/v n-dodecyl b-D-maltoside

Optimix-2 No.10 : 20% v/v tacsimate, 20% w/v polyethylene glycol MME 5000

Optimix-2 No.11 : 0.8 M lithium acetate , 0.1 M Tris HCl (pH 8.0), 10% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.12 : 0.6 M sodium acetate, 0.1 M MES (pH 5.5), 0.5 M sodium malonate

Optimix-2 No.13 : 0.4 M sodium acetate, 0.1 M bis-Tris Propane (pH 6.0), 0.5 M potassium sodium tartrate

Optimix-2 No.14 : 1.0 M ammonium iodide, 0.1 M bis-Tris propane (pH 6.0), 10% v/v tert-butanol

Optimix-2 No.15 : 0.6 M sodium iodide, 0.1 M ADA (pH 6.5), 10% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.16 : 0.5 M lithium sulfate, 0.1 M glycyl-glycine (pH 8.5), 15% w/v polyethylene glycol MME 5000

Optimix-2 No.17 : 1.0 M potassium thiocyanate, 0.1 M bis-Tris Propane (pH 6.0), 20% w/v polyethylene glycol MME 5000

Optimix-2 No.18 : 1.0 M lithium chloride, 10% w/v polyethylene glycol 6000

Optimix-2 No.19 : 0.5 M ammonium phosphate, monobasic, 0.1 M sodium acetate (pH 4.6), 25% w/v polyethylene glycol 1000

Optimix-2 No.20 : 0.2 M lithium citrate, tribasic, 0.1 M Tris HCl (pH 7.5), 25% w/v polyethylene glycol 3350

Optimix-2 No.21 : 0.6 M sodium nitrate, 0.1 M HEPES (pH 7.5), 15% w/v polyethylene glycol 1000

Optimix-2 No.22 : 0.4 M sodium formate, 0.1 M MOPS (pH 7.0), 20% w/v polyethylene glycol 3350

Optimix-2 No.23 : 0.4 M potassium chloride, 0.1 M ADA (pH 6.5), 0.5 M sodium formate

Optimix-2 No.24 : 0.2 M calcium acetate, 0.1 M glycyl-glycine (pH 8.5), 30% w/v polyethylene glycol 1000

Optimix-2 No.25 : 0.8 M sodium formate

Optimix-2 No.26 : 0.4 M sodium malonate, 0.1 M MOPS (pH 7.0), 0.12M magnesium formate

Optimix-2 No.27 : 0.4 M potassium nitrate, 0.1 M glycyl-glycine (pH 8.5), 20% w/v polyethylene glycol 8000, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.28 : 0.1 M magnesium chloride, 0.1 M sodium cacodylate (pH 6.5), 25% w/v polyethylene glycol 3350

Optimix-2 No.29 : 0.6 M sodium tartrate

Optimix-2 No.30 : 0.4 M sodium malonate, 0.1 M glycyl-glycine (pH 8.5), 10% w/v polyethylene glycol 20,000

Optimix-2 No.31 : 0.3 M magnesium formate, 0.1 M TAPS (pH 9.0), 15% w/v polyethylene glycol 20,000

Optimix-2 No.32 : 0.5 M sodium malonate, 10% v/v tert-butanol

Optimix-2 No.33 : 0.2 M cesium chloride, 30% w/v polyethylene glycol 3350

Optimix-2 No.34 : 0.2 M ammonium sulfate, 0.1 M CHES (pH 9.5), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.35 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 1500

Optimix-2 No.36 : 0.3 M magnesium chloride, 0.1 M TAPS (pH 9.0), 10% w/v polyethylene glycol 10,000

Optimix-2 No.37 : 0.5 M DL-malic acid, 0.1 M HEPES (pH 8.0), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.38 : 0.1 M potassium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 3350

Optimix-2 No.39 : 0.2 M ammonium fluoride, 0.1 M Tris HCl (pH 7.0), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.40 : 0.3 M sodium formate, 0.1 M CHES (pH 9.5), 10% w/v polyethylene glycol 6000

Optimix-2 No.41 : 0.1 M lithium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 3350

Optimix-2 No.42 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% v/v polyethylene glycol 3000

Optimix-2 No.43 : 0.4 M ammonium chloride, 0.1 M HEPES (pH 7.5)

Optimix-2 No.44 : 0.2 M sodium phosphate, monobasic, 0.1 M HEPES (pH 7.5), 10% w/v polyethylene glycol 8000

Optimix-2 No.45 : 0.45 M potassium bromide, 0.1 M MES (pH 5.5), 4% w/v polyethylene glycol 10,000

Optimix-2 No.46 : 0.125 M succinic acid, 20% w/v polyethylene glycol MME 1900

Optimix-2 No.47 : 0.5 M magnesium sulfate, 0.1 M HEPES (pH 7.5), 15% v/v tert-butanol

Optimix-2 No.48 : 0.4 M magnesium sulfate, 15% w/v polyethylene glycol 10,000, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.49 : 0.1 M magnesium chloride, 0.1 M HEPES (pH 7.5), 10% w/v polyethylene glycol 20,000

Optimix-2 No.50 : 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.51 : 0.1 M potassium sulfate, 0.1 M HEPES (pH 7.5), 0.5 M magnesium sulfate, 0.01% w/v n-dodecyl b-D-maltoside

Optimix-2 No.52 : 0.2 M potassium formate, 0.1 M MES (pH 5.5), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.53 : 20% w/v polyethylene glycol 6000

Optimix-2 No.54 : 25% w/v polyethylene glycol 1500

Optimix-2 No.55 : 30% w/v polyethylene glycol 1000, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.56 : 0.5 M proline, 20% w/v polyethylene glycol MME 5000

Optimix-2 No.57 : 0.5 M lithium acetate

Optimix-2 No.58 : 0.2 M sodium malonate, 0.1 M sodium acetate (pH 4.6), 7.5% w/v polyethylene glycol 4000

Optimix-2 No.59 : 0.2 M potassium phosphate, monobasic, 25% w/v polyethylene glycol MME 5000

Optimix-2 No.60 : 0.25 M sodium tartrate, 0.1 M MES (pH 5.5), 20% v/v tert-butanol, 0.01% w/v n-dodecyl b-D-maltoside

Optimix-2 No.61 : 0.4 M ammonium sulfate, 0.1 M bis-Tris (pH 6.0)

Optimix-2 No.62 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 1000

Optimix-2 No.63 : 0.4 M nickel (II) chloride, 0.1 M MOPS (pH 7.0)

Optimix-2 No.64 : 0.1 M magnesium chloride, 0.1 M sodium acetate (pH 4.6), 25% w/v polyethylene glycol 3350

Optimix-2 No.65 : 0.1 M magnesium chloride, 0.1 M HEPES (pH 7.5), 25% w/v polyethylene glycol 3350

Optimix-2 No.66 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 25% w/v polyethylene glycol 20,000

Optimix-2 No.67 : 0.2 M potassium phosphate, dibasic, 0.1 M HEPES (pH 7.5), 20% w/v polyethylene glycol 4600

Optimix-2 No.68 : 0.5 M potassium thiocyanate, 0.1 M ADA (pH 6.5), 20% w/v polyethylene glycol 10,000

Optimix-2 No.69 : 0.5 M sodium nitrate, 20% w/v polyethylene glycol MME 5000

Optimix-2 No.70 : 0.4 M ammonium chloride, 20% w/v polyethylene glycol MME 1900, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.71 : 0.4 M potassium nitrate, 25% w/v polyethylene glycol 1000

Optimix-2 No.72 : 0.4 M potassium acetate, 0.1 M MES (pH 5.5), 25% w/v polyethylene glycol 6000

Optimix-2 No.73 : 0.5 M potassium formate, 0.1 M glycyl-glycine (pH 8.5), 20% w/v polyethylene glycol 1500, 0.01% w/v n-dodecyl b-D-maltoside

Optimix-2 No.74 : 0.6 M sodium iodide, 0.1 M PIPES (pH 6.5), 10% w/v polyethylene glycol 6000

Optimix-2 No.75 : 0.5 M ammonium sulfate, 0.1 M Tris HCl (pH 8.0), 10% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.76 : 0.75 M potassium phosphate, dibasic, 0.1 M MES (pH 5.5), 5% v/v jeffamine M-600

Optimix-2 No.77 : 0.2 M cadmium sulfate, 0.1 M MOPS (pH 7.0), 30% w/v polyethylene glycol 1500

Optimix-2 No.78 : 0.3 M magnesium formate, 0.8M ammonium phosphate, monobasic, 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.79 : 0.5 M sodium acetate, 25% w/v polyethylene glycol 3350

Optimix-2 No.80 : 0.5 M potassium acetate, 0.5 M sodium malonate

Optimix-2 No.81 : 0.6 M sodium chloride, 0.1 M bis-Tris propane (pH 6.0), 20% w/v polyethylene glycol 1500

Optimix-2 No.82 : 0.4 M magnesium chloride, 0.1 M TAPS (pH 9.0), 25% w/v polyethylene glycol 4000

Optimix-2 No.83 : 0.2 M sodium chloride, 0.1 M sodium acetate (pH 4.6), 1.0 M sodium phosphate, monobasic

Optimix-2 No.84 : 0.5 M potassium iodide, 0.1 M ADA (pH 6.5), 20% w/v polyethylene glycol 8000

Optimix-2 No.85 : 0.8 M lithium nitrate, 0.1 M Tris HCl (pH 7.0), 25% w/v polyethylene glycol 3350

Optimix-2 No.86 : 0.5 M ammonium citrate, dibasic, 0.1 M glycyl-glycine (pH 8.5), 1.0M ammonium dihydrogen phosphate monobasic

Optimix-2 No.87 : 1.0 M ammonium formate, 0.1 M Tris HCl (pH 7.5), 10% v/v 2-methyl-2,4-pentanediol (MPD)

Optimix-2 No.88 : 0.4 M sodium malonate, 0.1 M glycyl-glycine (pH 8.5), 25% w/v polyethylene glycol 4000

Optimix-2 No.89 : 0.8 M potassium chloride, 0.1 M Tris HCl (pH 7.5), 20% v/v polyvinylpyrrolidone K15

Optimix-2 No.90 : 0.5 M ammonium tartrate, dibasic, 25% w/v polyethylene glycol 1000 , 0.01% w/v n-octoyl b-D-glucopyranoside

Optimix-2 No.91 : 0.4 M magnesium nitrate, 0.1 M ADA (pH 6.5), 1.0 M magnesium sulfate

Optimix-2 No.92 : 1.0 M lithium nitrate, 0.1 M sodium acetate (pH 4.6), 0.5 M sodium malonate, 0.01% w/v n-dodecyl b-D-maltoside  
Optimix-2 No.93 : 0.5 M lithium citrate, tribasic, 0.1 M ADA (pH 6.5), 15% v/v 2-methyl-2,4-pentanediol (MPD)  
Optimix-2 No.94 : 0.4 M lithium sulfate, 1.0 M sodium chloride  
Optimix-2 No.95 : 1.0 M ammonium formate, 0.1 M bis-Tris propane (pH 6.0), 0.5 M ammonium sulfate  
Optimix-2 No.96 : 0.8 M ammonium acetate, 0.1 M MES (pH 5.5), 20% v/v 2-methyl-2,4-pentanediol (MPD)

### **OptiMix-3**

Optimix-3 No.1 : 2.5 M ammonium sulfate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.2 : 4.0 M ammonium nitrate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.3 : 2.5 M ammonium sulfate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.4 : 3.0 M potassium formate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.5 : 3.5 M ammonium chloride, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.6 : 2.5 M ammonium sulfate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.7 : 3.0 M sodium nitrate, 0.1 M MES (pH 6.0)  
Optimix-3 No.8 : 3.0 M lithium nitrate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.9 : 3.0 M ammonium acetate  
Optimix-3 No.10 : 1.5 M magnesium acetate, 0.1 M bis-Tris (pH 6.0)  
Optimix-3 No.11 : 3.0 M sodium formate, 0.1 M imidazole (pH 8.0)  
Optimix-3 No.12 : 3.0 M potassium acetate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.13 : 2.0 M potassium sodium tartrate  
Optimix-3 No.14 : 2.0 M ammonium sulfate, 0.1 M MES (pH 6.0)  
Optimix-3 No.15 : 1.5 M sodium malonate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.16 : 2.0 M potassium phosphate dibasic  
Optimix-3 No.17 : 2.0 M ammonium sulfate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.18 : 2.0 M ammonium sulfate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.19 : 1.5 M sodium malonate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.20 : 1.8 M sodium acetate, 0.1 M imidazole (pH 8.0)  
Optimix-3 No.21 : 1.2 M potassium thiocyanate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.22 : 1.5 M potassium sodium tartrate  
Optimix-3 No.23 : 2.0 M sodium nitrate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.24 : 2.0 M ammonium chloride, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.25 : 1.5 M lithium acetate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.26 : 1.5 M potassium phosphate dibasic  
Optimix-3 No.27 : 1.0 M sodium malonate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.28 : 1.0 M sodium malonate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.29 : 1.0 M magnesium acetate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.30 : 1.0 M ammonium citrate, tribasic, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.31 : 1.2 M potassium thiocyanate, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.32 : 0.9 M sodium tartrate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.33 : 1.0 M sodium acetate , 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.34 : 1.0 M ammonium sulfate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.35 : 1.0 M ammonium sulfate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.36 : 1.0 M ammonium sulfate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.37 : 0.8 M sodium tartrate, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.38 : 1.0 M sodium chloride, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.39 : 0.7 M sodium tartrate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.40 : 1.0 M sodium formate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.41 : 1.0 M ammonium chloride, 0.1 M sodium acetate (pH 4.6)

Optimix-3 No.42 : 0.8 M sodium tartrate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.43 : 1.0 M ammonium nitrate, 0.1 M MES (pH 6.0)  
Optimix-3 No.44 : 0.5 M sodium malonate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.45 : 0.5 M sodium malonate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.46 : 0.6 M potassium thiocyanate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.47 : 0.5 M sodium malonate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.48 : 0.7 M sodium tartrate, 0.1 M MES (pH 6.0)  
Optimix-3 No.49 : 0.6 M potassium thiocyanate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.50 : 1.0 M magnesium sulfate, 0.1 M MES (pH 6.0)  
Optimix-3 No.51 : 1.5 M magnesium sulfate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.52 : 0.75 M sodium acetate , 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.53 : 0.5 M sodium chloride, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.54 : 0.5 M sodium malonate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.55 : 0.75 M potassium sodium tartrate  
Optimix-3 No.56 : 0.8 M sodium tartrate , 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.57 : 1.0 M ammonium acetate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.58 : 0.8 M sodium tartrate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.59 : 1.0 M potassium phosphate, dibasic  
Optimix-3 No.60 : 1.0 M sodium phosphate, monobasic  
Optimix-3 No.61 : 1.0 M ammonium sulfate, 0.1 M MES (pH 6.0)  
Optimix-3 No.62 : 1.0 M potassium formate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.63 : 1.5 M ammonium nitrate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.64 : 1.0 M sodium malonate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.65 : 1.0 M potassium sodium tartrate  
Optimix-3 No.66 : 0.9 M sodium tartrate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.67 : 1.0 M ammonium sulfate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.68 : 1.5 M potassium formate, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.69 : 1.5 M ammonium acetate  
Optimix-3 No.70 : 1.0 M sodium malonate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.71 : 2.0 M sodium phosphate, monobasic  
Optimix-3 No.72 : 1.8 M potassium thiocyanate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.73 : 2.0 M ammonium nitrate, 0.1 M HEPES (pH 7.5)  
Optimix-3 No.74 : 1.5 M lithium nitrate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.75 : 1.5 M sodium malonate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.76 : 2.0 M sodium formate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.77 : 1.5 M sodium acetate , 0.1 M HEPES (pH 7.5)  
Optimix-3 No.78 : 1.8 M potassium thiocyanate, 0.1 M sodium acetate (pH 4.6)  
Optimix-3 No.79 : 2.0 M ammonium formate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.80 : 2.0 M ammonium sulfate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.81 : 1.5 M sodium malonate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.82 : 2.0 M sodium chloride, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.83 : 2.0 M ammonium sulfate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.84 : 2.0 M ammonium acetate  
Optimix-3 No.85 : 3.0 M lithium acetate, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.86 : 2.0 M potassium acetate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.87 : 3.0 M sodium chloride, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.88 : 3.5 M sodium formate, 0.1 M sodium citrate (pH 5.6)  
Optimix-3 No.89 : 1.5 M ammonium citrate, tribasic, 0.1 M HEPES (pH 7.5)

Optimix-3 No.90 : 3.0 M ammonium nitrate, 0.1 M MES (pH 6.0)  
Optimix-3 No.91 : 3.0 M lithium nitrate, 0.1 M sodium cacodylate (pH 6.5)  
Optimix-3 No.92 : 2.5 M ammonium sulfate, 0.1 M MES (pH 6.0)  
Optimix-3 No.93 : 4.0 M ammonium formate, 0.1 M bis-Tris propane (pH 7.0)  
Optimix-3 No.94 : 4.0 M potassium acetate, 0.1 M bicine (pH 9.0)  
Optimix-3 No.95 : 2.5 M ammonium sulfate, 0.1 M Tris HCl (pH 8.5)  
Optimix-3 No.96 : 2.5 M potassium formate, 0.1 M sodium cacodylate (pH 6.5)

## OptiMix-PEG

Optimix-PEG No.1 : 0.9 M magnesium acetate, 0.1 M Tris HCl (pH 8.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.2 : 1.0 M lithium chloride, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.3 : 0.4 M lithium sulfate, 0.1 M bis-Tris propane (pH 7.0), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.4 : 1.0 M ammonium formate, 0.1 M sodium citrate (pH 5.6), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.5 : 15% w/v tacsimate, 0.1 M sodium cacodylate (pH 6.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.6 : 0.6 M magnesium acetate, 0.1 M sodium cacodylate (pH 6.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.7 : 0.8 M ammonium chloride, 0.1 M sodium cacodylate (pH 6.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.8 : 0.8 M sodium formate, 0.1 M sodium citrate (pH 5.6), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.9 : 0.5 M ammonium citrate, dibasic, 0.1 M HEPES (pH 7.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.10 : 0.5 M magnesium chloride, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.11 : 0.8 M potassium nitrate, 0.1 M sodium acetate (pH 4.6), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.12 : 1.0 M ammonium formate, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.13 : 0.6 M sodium acetate, 0.1 M HEPES (pH 7.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.14 : 0.8 M sodium formate, 0.1 M imidazole (pH 8.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.15 : 0.8 M potassium chloride, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.16 : 0.6 M ammonium tartrate, dibasic, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.17 : 0.5 M ammonium citrate, dibasic, 0.1 M sodium citrate (pH 5.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.18 : 0.5 M sodium acetate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.19 : 0.3 M magnesium formate, 0.1 M sodium acetate (pH 4.6), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.20 : 1.0 M ammonium iodide, 0.1 M bicine (pH 9.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.21 : 0.4 M lithium sulfate, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.22 : 0.4 M sodium acetate, 0.1 M sodium citrate (pH 5.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.23 : 0.5 M potassium acetate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.24 : 0.4 M sodium malonate, 0.1 M Tris HCl (pH 8.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.25 : 0.4 M magnesium nitrate, 0.1 M HEPES (pH 7.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.26 : 0.6 M sodium iodide, 0.1 M sodium citrate (pH 5.6), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.27 : 0.4 M magnesium formate, 0.1 M MES (pH 6.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.28 : 0.4 M potassium nitrate, 0.1 M HEPES (pH 7.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.29 : 0.4 M magnesium nitrate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.30 : 0.4 M cesium chloride, 0.1 M sodium citrate (pH 5.6), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.31 : 0.4 M calcium chloride, 0.1 M sodium acetate (pH 4.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.32 : 0.3 M magnesium formate, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.33 : 0.5 M potassium thiocyanate, 0.1 M HEPES (pH 7.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.34 : 0.4 M ammonium chloride, 0.1 M imidazole (pH 6.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.35 : 0.2 M calcium acetate, 0.1 M HEPES (pH 7.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.36 : 0.1 M magnesium chloride, 0.1 M sodium citrate (pH 5.6), 25% w/v polyethylene glycol 3350  
Optimix-PEG No.37 : 0.1 M potassium sulfate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.38 : 0.1 M glycyl-glycine (pH 8.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.39 : 0.1 M Tris HCl (pH 8.0), 23% w/v polyethylene glycol 4000

Optimix-PEG No.40 : 0.1 M TAPS (pH 9.0), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.41 : 0.1 M magnesium chloride, 0.1 M Tris HCl (pH 8.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.42 : 0.1 M potassium sulfate, 0.1 M Tris HCl (pH 8.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.43 : 0.1 M ADA (pH 6.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.44 : 0.1 M MOPS (pH 7.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.45 : 0.1 M Tris HCl (pH 8.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.46 : 23% w/v polyethylene glycol 4000  
Optimix-PEG No.47 : 0.1 M HEPES (pH 7.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.48 : 10% w/v polyethylene glycol 1500, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.49 : 8% w/v polyethylene glycol 8000, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.50 : 5% w/v polyethylene glycol 10,000, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.51 : 10% w/v polyethylene glycol 1000, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.52 : 0.2 M succinic acid, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.53 : 18% w/v polyethylene glycol 4000  
Optimix-PEG No.54 : 25% w/v polyethylene glycol 4000  
Optimix-PEG No.55 : 27% w/v polyethylene glycol 4000  
Optimix-PEG No.56 : 0.4 M DL-malic acid, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.57 : 0.2 M potassium fluoride, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.58 : 0.05 M zinc acetate, 0.1 M sodium cacodylate (pH 6.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.59 : 0.1 M Tris HCl (pH 7.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.60 : 10% w/v polyethylene glycol 6000, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.61 : 0.4 M potassium chloride, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.62 : 0.5 M ammonium iodide, 0.1 M MES (pH 6.0), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.63 : 0.4 M ammonium chloride, 0.1 M Tris HCl (pH 8.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.64 : 0.8 M ammonium nitrate, 0.1 M CHES (pH 9.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.65 : 0.2 M calcium acetate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.66 : 0.2 M potassium formate, 0.1 M sodium cacodylate (pH 6.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.67 : 0.3 M sodium formate, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.68 : 0.5 M sodium nitrate, 0.1 M sodium acetate (pH 4.6), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.69 : 0.5 M potassium iodide, 0.1 M sodium citrate (pH 5.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.70 : 0.5 M lithium acetate, 0.1 M HEPES (pH 7.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.71 : 0.2 M sodium malonate, 0.1 M sodium citrate (pH 5.6), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.72 : 0.4 M potassium acetate, 0.1 M MES (pH 6.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.73 : 0.3 M magnesium chloride, 0.1 M sodium acetate (pH 4.6), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.74 : 0.25 M sodium tartrate, 0.1 M sodium cacodylate (pH 6.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.75 : 0.25 M sodium tartrate, 0.1 M bis-Tris propane (pH 7.0), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.76 : 0.5 M potassium sodium tartrate, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.77 : 0.5 M lithium nitrate, 0.1 M MES (pH 6.0), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.78 : 0.6 M potassium thiocyanate, 0.1 M sodium citrate (pH 5.6), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.79 : 0.5 M L-proline, 0.1 M sodium cacodylate (pH 6.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.80 : 0.6 M sodium nitrate, 0.1 M MES (pH 6.0), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.81 : 0.5 M potassium formate, 0.1 M Tris HCl (pH 8.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.82 : 0.8 M potassium nitrate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.83 : 0.4 M sodium malonate, 0.1 M sodium cacodylate (pH 6.5), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.84 : 0.75 M potassium nitrate, 0.1 M bis-Tris propane (pH 7.0), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.85 : 0.6 M calcium chloride, 18% w/v polyethylene glycol 4000  
Optimix-PEG No.86 : 0.8 M potassium nitrate, 0.1 M bicine (pH 9.0), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.87 : 1.125 M potassium bromide, 23% w/v polyethylene glycol 4000

Optimix-PEG No.88 : 1.0 M lithium nitrate, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.89 : 0.6 M sodium acetate, 23% w/v polyethylene glycol 4000  
Optimix-PEG No.90 : 0.5 M ammonium tartrate, dibasic, 0.1 M sodium cacodylate (pH 6.5), 23% w/v polyethylene glycol 4000  
Optimix-PEG No.91 : 0.5 M lithium sulfate, 0.1 M sodium acetate (pH 4.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.92 : 0.6 M sodium iodide, 0.1 M sodium acetate (pH 4.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.93 : 0.6 M magnesium acetate, 0.1 M sodium citrate (pH 5.6), 18% w/v polyethylene glycol 4000  
Optimix-PEG No.94 : 0.8 M potassium chloride, 0.1 M sodium cacodylate (pH 6.5), 27% w/v polyethylene glycol 4000  
Optimix-PEG No.95 : 0.8 M lithium acetate, 27% w/v polyethylene glycol 4000  
Optimix-PEG No.96 : 0.8 M ammonium acetate, 0.1 M MES (pH 6.0), 27% v/v polyethylene glycol 4000

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