

Materials List for:

Imaging Mismatch Repair and Cellular Responses to DNA Damage in *Bacillus subtilis*

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Materials

Specific solution recipes ¹ :
<p>10x S7₅₀ salts 0.5 M MOPS 100 mM Ammonium Sulfate 50 mM Potassium Phosphate Monobasic Filter sterilize, and wrap S7₅₀ media in foil prior to storage</p>
<p>100x Metals 0.2 M MgCl₂ 70 mM CaCl₂ 5 mM MnCl₂ 0.1 mM ZnCl₂ 100 µg/mL Thiamine HCl 2 mM HCl 0.5 mM FeCl₃* dH₂O to final volume *FeCl₃ should be added last, to prevent precipitation. After filter sterilization, wrap 100x Metal solution in foil.</p>
<p>S7₅₀ media 1x S7₅₀ salts 1x Metal 1% Glucose 0.1% Glutamate 40 µg/mL Tryptophan 40 µg/mL Phenylalanine distilled H₂O to final volume</p>
<p>10x Spizizens (grams/L) 151.4 mM Ammonium Sulfate (20g/L) 803.8 mM Potassium Phosphate Monobasic (140g/L) 440.9 mM Potassium Phosphate Dibasic (60g/L) 34.0 mM Sodium Citrate (10g/L) 16.6 mM MgSO₄ (2g/L) dH₂O to final volume Filter sterilize</p>