

Plasmid Prep Solutions

Solution P1 50mM Tris•Cl
 10mM EDTA
 100mg/ml RNase A

1. Dissolve the following in 800ml ddH₂O:
 - 6.06g Tris Base
 - 3.72g EDTA
2. Adjust the pH to 8.0 with HCl (concentrated Hydrochloric acid)
3. Adjust the volume to 1000ml
4. Add 100mg RNase A per liter.

Solution P2 200mM NaOH
 1% SDS

1. Dissolve the following in 950ml ddH₂O:
 - 8.0g NaOH (sodium hydroxide)
2. Add 50ml of a 20% SDS solution

Solution P3 3.0M potassium acetate

1. Dissolve the following in 500ml ddH₂O:
 - 294.5g potassium acetate (CH₃COOK)
2. Adjust the pH to 5.5 with glacial acetic acid (should take approximately 110ml)
3. Adjust the final volume to 1000ml.