

Commonly used lab solutions

CTAB/NaCl (directly from RVT protocol)

Add 1 g of NaCl to 15 ml of water.

Slowly add 2.5 g of CTAB. If necessary, heat to 65 °C until dissolved. Purify through a 0.02-mm filter. Keep sterile and store at room temperature for a maximum of 1 month.

2 M Tris/0.2 M EDTA, pH 8.5 (TE) (directly from RVT protocol) :

Add 24.228 g of Tris base, 40 ml of 0.5 M EDTA (pH 8.0) and 30 ml of H₂O; adjust the pH to 8.5 and add water to make up a final volume of 100 ml.

Mountant (directly from RVT protocol)

Add 100 ml of 10 % ascorbic acid to 4.9 ml of 1_x PBS (pH 7.4).

Mix well and add 5 ml of 100 % glycerol and mix well. Filter the mountant through a 0.02-mm syringe filter. Aliquot and store at -20 °C in the dark

3M Sodium Acetate pH 5.2 (note!! 0.3 M is used for some protocols- dilute x10):

Add 20.412 g Sodium acetate

Add approximately ~6 ml glacial acetic acid to pH 5.2

Add up to 50 ml with di H₂O

“DNA B buffer”

11.69 g NaCl

50 ml of .5M EDTA

450 ml of H₂O

“DNA B+ SDS buffer”

Add 45 ml of DNA B buffer (shown above)

Add 5 ml of 10% SDS (SDS can be bought at 10% concentration).