

FREQUENTLY-MADE SOLUTIONS

LB Broth

- 10 g bacto-tryptone
- 5 g bacto-yeast extract
- 10 g NaCl
- dissolve in 800 ml dH₂O
- adjust volume to 1 L with dH₂O
- sterilize by autoclaving

10X PBS

- 80 g NaCl
- 2 g KCl
- 14.4 g Na₂HPO₄
- 2.4 g KH₂PO₄
- dissolve in 800 ml dH₂O
- adjust pH to 7.4
- adjust volume to 1 L with dH₂O
- sterilize by autoclaving

Sodium Chloride (5 M)

- 292.2 g NaCl
- dissolve in 900 ml dH₂O
- adjust volume to 1 L (if necessary)
- sterilize by autoclaving

20X SSC

- 175.3 g NaCl
- 88.2 g Na₃citrate2H₂O
- dissolve in 800 ml dH₂O
- adjust pH to 7.0
- adjust volume to 1 L
- sterilize by autoclaving

50X TAE

- 242 g Tris base
- 57.1 ml glacial acetic acid
- 100 ml 0.5 M EDTA (pH 8.0)
- dissolve in dH₂O up to 1 L
- sterilize by autoclaving

10X TBE

- 108 g Tris base
- 55 g boric acid
- 9.3 g EDTA or 40 ml 0.5 M EDTA (pH 8.0)
- dissolve in dH₂O up to 1 L
- sterilize by autoclaving