**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