

## **Ampicillin stock solution (200 mg ml<sup>-1</sup>)(20 ml)**

1. Weigh out 4 g ampicillin (sodium salt) and dissolve in 15 ml of distilled water.
2. Make up volume to 40 ml with distilled water.
3. Sterilize by filtration.  
<STORAGE> Aliquots of appropriate volume should be stored at -20 °C.  
<USAGE> For culture plates, allow media to cool to 55 °C before adding ampicillin to a final concentration of 35-50 g/ml.

## **Chloramphenicol stock solution (34 mg ml<sup>-1</sup>)(29.5 ml)**

1. Weigh out 1 g chloramphenicol and dissolve in 25 ml of 100% ethanol.
2. Make up volume to 29.5 ml with 100% ethanol.  
<STORAGE> Aliquots of appropriate volume can be stored at -20 °C for a year.  
<USAGE> For culture plates, allow media to cool to 55 °C before adding chloramphenicol to a final concentration of 10 g/ml.

## **Kanamycin stock solution (25 mg ml<sup>-1</sup>)(40 ml)**

1. Weigh out 1 g kanamycin sulfate and dissolve in 35 ml of distilled water.
2. Make up volume to 40 ml with distilled water.
3. Sterilise by filtration.  
<STORAGE> Aliquots of appropriate volume can be stored at -20 °C.  
<USAGE> For culture plates, allow media to cool to 55 °C before adding kanamycin to a final concentration of 50 g/ml.

## **Streptomycin stock solution (20 mg ml<sup>-1</sup>)(50 ml)**

1. Weigh out 1 g streptomycin sulfate and dissolve in 45 ml of distilled water.
2. Sterilise by filtration.  
<STORAGE> Aliquots of appropriate volume can be stored at -20 °C.  
<USAGE> For culture plates, allow media to cool to 55 °C before adding streptomycin to a final concentration of 25 g/ml.

## **Tetracycline stock solution (12.5 mg ml<sup>-1</sup>)(80 ml)**

1. Weigh out 1 g tetracycline and dissolve in 75 ml of 1:1 vol/vol distilled water:ethanol.
2. Make up volume to 80 ml with 1:1 vol/vol distilled water:ethanol.
3. Sterilise by filtration.  
<STORAGE> Aliquots of appropriate volume should be wrapped in aluminium foil and stored at -20 °C.  
<USAGE> For culture plates, allow media to cool to 55 °C before adding streptomycin to a final concentration of 12.5-15 g/ml. Store plates in the dark at 4 °C. Magnesium ions are antagonists of tetracycline, therefore avoid using media, such as LB that contain magnesium salts.