

CAHFSE Media Formulations

Bolton Broth for *Campylobacter* Isolation:

Mix the following ingredients together and refrigerate (1/2 L):

500 ml of *Campylobacter* Enrichment Broth made according to bottle directions.

25ml of Lysed Horse Blood Cells (Lampire Biological, Pipersville, PA. 18947)

1 vial of supplement (Lab M, X131; rehydrated with 5ml of 50% Ethanol.) per 500ml of broth. (Supplement contains Cefoperazone, Vancomycin, Trimethoprim, and Cyloheximide.)

Campy-Cefex Agar Used for *Campylobacter* Isolation:

Mix the following ingredients and bring to a boil:

43 grams of Brucella Agar (Hardy Diagnostics, Santa Maria, CA.)

0.5 grams of Ferrous Sulfate (Sigma, St. Louis, MO. 63103)

0.2 grams of Sodium Bisulfite (Sigma, St. Louis, MO. 63103)

0.5 grams Pyruvic Acid (Sigma, St. Louis, MO. 63103)

950 ml of ddH₂O

Autoclave at 121°C for 15 minutes.

Cool in water bath to 50°C and add:

50ml of Lysed Horse Blood Cells (Lampire Biological, Pipersville, PA. 18947)

0.3325 ml of ^aCefeperazone (Sigma, St. Louis, MO. 63103)

1 ml of ^bCycloheximide (Sigma, St. Louis, MO. 63103) to cooled agar and mix.

Dispense 20ml of agar per plate.

^aCefeperazone: Add 10ml of sterile ddH₂O to a 1 gram vial of Cefeperazone.

Shake to dissolve completely.

^bCycloheximide: Add 5 ml of sterile ddH₂O and 5 ml of Methanol to 2 grams of Cycloheximide, mix and filter sterilize.

PBS 20X Stock

Mix the following ingredients in a 1 liter bottle, fill bottle with ddH₂O up to 1 liter and stir mixture overnight to dissolve:

160g Sodium chloride (NaCl) (VWR, West Chester, PA. 19380)

4g Potassium phosphate monobasic (KH₂PO₄) (Mallinckrodt, Paris, Kentucky 40361)

42g Sodium phosphate (Na₂HPO₄·7H₂O) (J.T. Baker, Phillipsburg, NJ. 08865)

4g Potassium chloride (KCl) (J.T. Baker, Phillipsburg, NJ. 08865)

Do Not Autoclave 20x Stock

PBS 1X

Add 50ml of 20X PBS stock to 950ml dd H₂O.
Mix ingredients.
Dispense into tubes.

Autoclave PBS 1x stock at 121°C for 15 minutes.

Tetrathionate Broth used for *Salmonella* Isolation, a BD/Difco Product

Mix 46 grams of Tetrathionate Broth per liter of dd H₂O and heat to boiling.
Dispense 10ml into tubes.
Autoclave at 121°C for 15 minutes.
Add 200ul of iodine per tube when ready to use.

Iodine for *Salmonella* Isolation

Mix the following ingredients in a bottle and stir overnight:
180 grams of Iodine Crystals (Mallinckrodt, Paris, Kentucky 40361)
150 grams Potassium Iodide, Free Flowing (Mallinckrodt, Paris, Kentucky
40361)
600 ml of ddH₂O