

PREPARATION OF CONCENTRATED PEN-STREP FOR FROZEN ALIQUOTS

Pharmacy SUH source

1. Streptomycin Sulfate Injection 1.0 gm (2.5 cc) vial (26d a bottle)
2. Potassium Penicillin G 5 million units/bottle (43¢ a bottle as of 6/74)

Use antibiotics 100 units or ugm/ml final concentration.

To prepare 1000X pen strep one needs 10×10^4 units Pen +
 10×10^4 units Strep per ml.

To make 100 ml of 1000X Pen Strep add contents of 2 Penicillin bottle to 25ml (10 vials) of Streptomycin Sulfate and bring total volume to 100 ml with sterile saline or BSS (Millipore filtered)

Aliquot in 1 ml samples using Falcon 12 x 75 mm snap top tubes. Freeze @ 45° angle with caps not fully sealed. Then snap top on securely to store frozen.

Use 1cc of frozen concentrate (1 tube) per liter of solution to contain antibiotics.

GIBCO Lyophilized Antibiotics as source

GIBCO # 514L Pen Strep comes lyophilized as 10,000 units/ml.

Add 20 ml sterile H₂O to redissolve. This is already 100X if the final concentration of antibiotic to be used is 100 ugm/ml. (This is 200X if final cone of antibiotics desired is 50 ugm/ml.)

Aliquot solution in 1.0 ml volume per Falcon tube and use .5 cc concentrate per 100 ml solution if 50 ugm/ml final concentration is desired.

Current use for T.C. 1982

1.2g Penn } in 200ml 3x dH₂O
1.4g Strep }

Sterile filter 2ml aliquots