

Specification

Buffer solution for the pretreatment of clinical samples (sputum) suspected the presence of mycobacteria.

Presentation

10 Prepared bottle
Bottle 125 ml
with: 100 ± 3 ml

Packaging Details

1 box with 10 bottles 125 ml. Non injectable cap.
metal cap.

Shelf Life

24 months

Storage

8-25°C

Composition

Composition (g/l):

Monopotassium phosphate..... 3.38

Disodium phosphate..... 3.53

Description /TechniqueDescription:

Phosphate buffer at pH 6.8 is added to the treated sample with the aim of halting decontamination by neutralizing the alkaline mixture and at the same time this dilution increases the liquidity of the sample by lowering the viscosity .

Technique:

1. Transfer 10 ml of sputum (or less) to a sterile 50 ml centrifuge tube, and add an equal volume of the decontaminant solution (prepared that day). Seal the tube and homogenize in a Vortex shaker until completely liquidized (about 20 seconds). Invert the tube several times to ensure that the decontaminant is in contact with the entire inner surface of the tube and cap.
2. Keep the tube at room temperature for 15min for effective decontamination. Do not exceed this time of contact with the decontaminant
3. Neutralize the decontaminant by adding phosphate buffer (Reagent No. 3) to the 50 mL mark. Cap the tube and mix the contents by gently shaking.
4. Centrifuge for 15 minutes at = 3,000 x g
5. Decant the supernatant into a suitable container with disinfectant.
6. Resuspend the pellet with 2 ml of sterile bovine albumin solution (Reagent No. 4)
7. Use this suspension to inoculate the culture media and to make smears for microscopic examination.

Quality control**Physical/Chemical control**

Color : Colourless

pH: 6.8 ± 0.2 at 25°C

Microbiological control

Not Performed - Reagent without nutritional properties

Test pH

Microorganism**Growth****Sterility Control**

Incubate at 35±2,0 °C for 48h into Thioglicolate Medium USP

Bibliography

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