

PHOSPHATE BUFFERED PEPTONE SALINE %3 TWEEN 20, % 0.3 LECITHIN (90ML)

INTENDED USE:

PBPS %3 Tween 20 %0,5 Lecithin is a non inhibited medium, therefore allowing an easy recovery of stressed microorganisms. PBPS is rich in nutrients and produces high recovery of damaged cells and intensifies the growth of microorganisms.

PRINCIPLE AND INTERPRETATION:

Changes in pH may damage bacteria growth. PBPS maintains a high pH via the phosphate buffer system and allows the repair of injured cells which are sensitive to low pH. Casein peptone provides nitrogen, vitamins, minerals and amino acids essential for growth. Sodium chloride supplies essential electrolytes for transport and osmotic balance.

The neutralizing additives Tween 20 and lecithin reverse the growth inhibitory effect of most disinfectants and antiseptics. Lecithin is effective against quaternary ammonium compounds, amphoteric surfactants, benzamidines, chlorhexidines and dequadin.

COMPOSITION:

| Ingredients | Gr/Liter |
|--------------------|----------|
| Sodium Chloride | 8,5 gr |
| Casein Peptone | 1 gr |
| Disodium Phosphate | 0,044 gr |
| Sodium Phosphate | 0,023 gr |
| Tween 20 | 30 ml |
| Lecithin | 3 gr |

***Formula adjusted, standardized to suit performance parameters

pH: 7,0 ± 0,2

PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration or other signs of deterioration.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,0 ± 0,2

Appearance: Light amber

3.Microbiological Control: Incubation at a temperature of 35±2°C and observed after 18-24 hours.

| Microorganism | Inoculum (CFU) | Results | |
|---|----------------|---------|-----------|
| | | Growth | Reactions |
| <i>Staphylococcus aureus</i> ATCC 6538 | 10-100 | Good | Good |
| <i>Pseudomonas aeruginosa</i> ATCC 9027 | 10-100 | Good | Good |
| <i>Bacillus subtilis</i> ATCC 6633 | 10-100 | Good | Good |
| <i>Escherichia coli</i> ATCC 8739 | 10-100 | Good | Good |
| <i>Salmonella typhimurium</i> ATCC14028 | 10-100 | Good | Good |
| <i>Candida albicans</i> ATCC10231 | 10-100 | Good | Good |

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 01152

Content/Packaging: Screw cap x 20 piece /box

REFERENCES:

1.Standard Methods for the Examination of Water and Wasterwater 15a edition, 1980

2.Juven, Cox Bailet, Rhomson, Charles and Schutze. 1984. J. Food Prot. 47:299

3.Andrews, Flowers, Silliker and Bailey. 2001. In Downes and Ito (ed.), Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington.



Aseptic Sterile



Use by



Look at user manual



Batch Code



Temperature
Limitation



Manufacturer



Catalogue Number



Do not reuse



Negative Controls



Contains sufficient
for <n> tests



Positive Controls