



Neutralizing Fluid

LQ124C

For neutralizing activity of antimicrobial agents in accordance with BP & JP

Composition**

Ingredients	Gms / Litre
Peptone (meat or casein)	1.000
Lecithin (egg)	3.000
Histidine hydrochloride	1.000
Sodium chloride	4.300
Potassium dihydrogen phosphate	3.600
Disodium hydrogen phosphate, dihydrate	7.200

**Formula adjusted, standardized to suit performance parameters

Directions

Label the ready to use LQ124C bottle. Inoculate the sample and Incubate at specified temperature and time.

Principle And Interpretation

fluid is used to neutralize the activity of antimicrobial agents generally present in pharmaceutical materials. This is required to neutralize the effect of antimicrobials while testing the sterility of such materials. This medium may be added to Buffered Sodium Chloride Peptone Solution, pH 7.0 before sterilization. If utilized their efficacy and nontoxicity towards microorganisms are demonstrated (1, 2). The neutralizing agents present in the medium, neutralizes the activity of antimicrobial agents present in various pharmaceutical products which may interfere with Neutralizing microbial limit tests or sterility testing analysis. Egg lecithin and polysorbate 80 act as neutralizing agents. Sodium chloride maintains osmotic equilibrium and phosphates serve as buffering agents.

Quality Control

Appearance

Sterile clear Neutralizing Fluid in bottle.

Colour

Light yellow opalescent solution.

Quantity of medium

100ml of medium in bottle

Cultural Response

Cultural characteristics observed when subcultured on Tryptone Soya Agar (M290), after an incubation at 35-37°C for 40-48 hours

Sterility test

Passes release criteria

Cultural Response

Organism	Growth	Inoculum (CFU)
Cultural response		
<i>Bacillus subtilis</i> ATCC 6633	good	50-100
<i>Escherichia coli</i> ATCC 25922	good	50-100
<i>Pseudomonas aeruginosa</i> ATCC 27853	good	50-100
<i>Staphylococcus aureus</i> ATCC 25923	good	50-100
<i>Salmonella Typhimurium</i> ATCC 14028	good	50-100

Storage and Shelf Life

Store between 2-8°C. Use before expiry date on the label.

Reference

1. European Pharmacopoeia, 2005, European Department, Directorate for the Quality of Medicines of the Council of Europe, Vol. 5, pp -161. 2. British Pharmacopoeia, 2004, The Stationery office British Pharmacopoeia

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