

Sterility Kit - II

LQ025

Sterility test media prepared in accordance with IP/USP/EP/BP/JP. One Kit contains 2 glass bottles each of 100 ml following media : LQ028 - Sterile Alternative Thioglycollate Medium and LQ027 - Sterile Soyabean Casein Digest Medium. Recommended for injectibles.

Composition**

| Ingredients | Gms / Litre |
|---|-------------|
| Sterile Alternative Thioglycollate Medium | - |
| Tryptone | 15.000 |
| Yeast extract | 5.000 |
| Dextrose (Glucose) | 5.500 |
| Sodium chloride | 2.500 |
| L-Cystine | 0.500 |
| Sodium thioglycollate | 0.500 |
| Sterile Soyabean Casein DigestMedium | - |
| Tryptone | 17.000 |
| Soya peptone | 3.000 |
| Sodium chloride | 5.000 |
| Dextrose (Glucose) | 2.500 |
| Dipotassium hydrogen phosphate | 2.500 |

**Formula adjusted, standardized to suit performance parameters

Directions

Label the ready to use LQ028 and LQ027 bottles. Do not unscrew cap. remove the top of the screw cap. Disinfect the part of the rubber stopper which is now exposed. Draw sample with the sterile or disposable needle and syringe. Transfer the sample immediately into the LQ028 and LQ027 bottle by puncturing the rubber stopper with the injecting needle. Keep the bottle in an upright position preferably in a biological safety cabinet, place an alcohol swab over the rubber stopper and insert the venting needle with filter through it (Use sterile venting needle (LA038). Insertion and withdrawal of the needle should be done in a straight line. discard the needle and mix the contents by gently inverting the bottle 2-3 times. Do Not vent the bottle for anaerobic cultures. Incubate at specified temperature for 18-24 hours and further for seven days.

Principle And Interpretation

LQ025 is ready to use sterile prepared media kit contains LQ028 and LQ027 for Sterility checks in accordance with IP/USP/EP/BP/JP. These are used for validation of the compliance of pharmacopoeial raw materials, finished products and other articles. The Ready Prepared Media meet the requirements of Growth Promotion Test.

LQ028 : Fluid Alternative Medium is used for sterility testing of turbid or viscous biological products.

LQ027: Soybean Casein Digest Medium is recommended for sterility checking and for studying total aerobic microbial count in verification of microbiological testing procedures employed for sterility checking. This medium is a highly nutritious medium used for cultivation of a wide variety of organisms.

Quality Control

Appearance

One kit contains 2 glass bottles each of 100 ml : sterile Alternative Thioglycollate Medium sterile Soyabean Casein Digest Medium

Sterility test

Passes release criteria

Storage and Shelf Life

Store between 15-25°C. Use before expiry date on the label.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

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Disclaimer :

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