

Fluid Sabouraud HiVeg[®] Medium Sabouraud Medium, Fluid, HiVeg[®]

MV013

Intended use

Recommended for sterility testing of moulds and lower bacteria in pharmaceutical preparations.

Composition**

Ingredients	g / L
HiVeg [®] peptone	5.000
HiVeg [®] hydrolysate	5.000
Dextrose (Glucose)	20.000
Final pH (at 25°C)	5.7±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 30.0 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

Fluid Sabouraud Medium is based on the formulation described by Sabouraud (1) for the cultivation of yeasts, moulds, and aciduric microorganisms, particularly useful for the fungi associated with skin infections. It is recommended for use as a sterility testing medium for moulds and lower bacteria. This mycological sterility testing medium is in accordance with USP (2) and the FDA (3) for the determination of fungistatic activity of pharmaceutical products to avoid false sterility tests. The acid reaction of the medium is inhibitory to a large number of bacteria and makes the medium particularly well suited for cultivating fungi and acidophilic microorganisms (3,4,5). Fluid Sabouraud HiVeg[®] Medium is prepared by completely replacing animal based peptone with vegetable peptones to avoid BSE/TSE risks associated with animal peptones.

HiVeg[®] peptone and HiVeg[®] hydrolysate provide nitrogenous and carbonaceous compounds, long chain amino acids, vitamins and other essential nutrients. Dextrose(Glucose) is the energy source. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens (6). Some pathogenic fungi may produce infective spores, which are easily dispersed in air, so examination should be carried out in a safety cabinet. For isolation of fungi from potentially contaminated specimens, a selective medium should be inoculated along with the non-selective medium. Incubate at 25-30° C with increased humidity and examine at least weekly for fungal growth and should be held for 4-6 weeks before being reported as negative.

Type of specimen

Pharmaceutical samples.

Specimen Collection and Handling:

For pharmaceutical samples, follow appropriate techniques for sample collection and processing as per guidelines (7).

Warning and Precautions :

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It may not support the growth of all fungi.
2. Since the medium is non selective , bacterial cultures may also grow.
3. It is recommended to use selective media for isolation of fungi.
4. Biochemical test and serological procedures are required to confirm the findings.

Disclaimer :

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