

TM 317 - SABOURAUD MEDIUM, FLUID (FLUID SABOURAUD MEDIUM)

INTENDED USE

Sterility testing medium for molds and lower bacteria in pharmaceutical preparations.

PRODUCT SUMMARY AND EXPLANATION

Fluid Sabouraud Medium is based on the formulation described by Sabouraud 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 and the FDA 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.

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.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	5.000
Peptone	5.000
Dextrose (Glucose)	20.000

PRINCIPLE

Tryptone and peptone 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.

INSTRUCTION FOR USE

- Dissolve 30 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense into tubes or flasks as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light amber coloured, clear solution without any precipitate.
pH (at 25°C)	: 5.7±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
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<i>Escherichia coli</i>	25922	50-100	Luxuriant	25-30°C	48-72 Hours
<i>Lactobacillus casei</i>	9595	50-100	Luxuriant	25-30°C	48-72 Hours
<i>Aspergillus brasiliensis</i>	16404	10-100	Luxuriant	25-30°C	48-72 Hours
<i>Candida albicans</i>	10231	10-100	Luxuriant	25-30°C	48-72 Hours
<i>Saccharomyces cerevisiae</i>	9763	10-100	Luxuriant	25-30°C	48-72 Hours

PACKAGING:

In pack size of 100 gm and 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

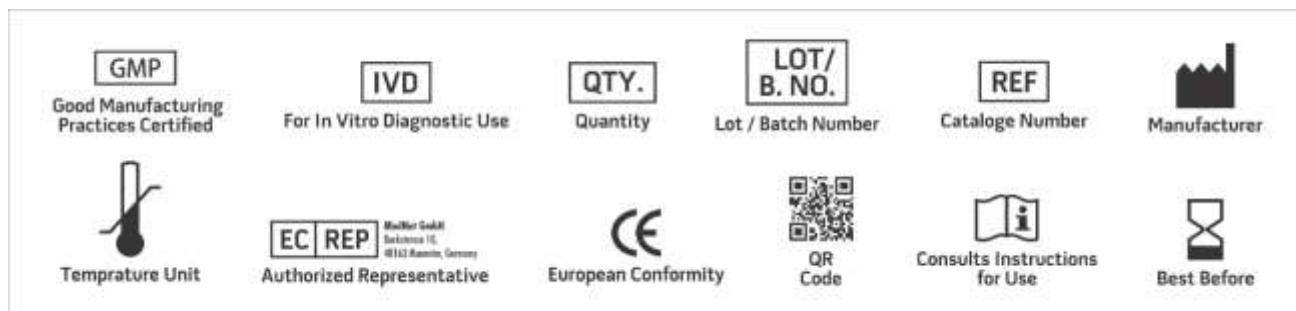
DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

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NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
Revision: 08 Nov., 2019