

## TMHV 106 - SABOURAUD DEXTROSE BROTH (as per USP/BP/EP/JP/IP)(VEG.)

### INTENDED USE

For selection, isolation & cultivation of yeasts, molds and aciduric microorganisms.

### PRODUCT SUMMARY AND EXPLANATION

Sabouraud Dextrose Broth is a modification of Dextrose Agar described by Sabouraud. Emmons modified the formulation by Sabouraud. It is useful for the cultivation of fungi. This medium is in accordance with the harmonized method of USP/EP/BP/JP and is recommended for microbiological examination of non-sterile products. Sabouraud Dextrose Media is used for cultivating pathogenic & commensal fungi. The high dextrose concentration and acidic pH of the formula permits selectivity of fungi. Sabouraud Dextrose Broth is used for the determination of fungistatic activity in sterile and non-sterile food & beverage, and cosmetic products.

### COMPOSITION

Ingredients	Gms / Ltr
Dextrose	20.000
Veg. Peptone	10.000

### PRINCIPLE

Veg. Peptone provides nitrogenous compounds essential for the growth of fungi. Dextrose acts as the energy source.

### INSTRUCTION FOR USE

- Dissolve 30.00 grams of the medium in 1000 ml distilled water.
- Gently heat to boiling with swirling to dissolve the medium completely.
- Distribute into the tubes as desired.
- Sterilize by autoclaving at 15 psi (121°C) for 15 minutes.
- Cool the medium at room temperature before use.

### QUALITY CONTROL SPECIFICATIONS

<b>Appearance of Dehydrated powder</b>	:	Cream to yellow colour, homogeneous free flowing powder
<b>Appearance of Prepared medium</b>	:	Light amber colour, clear solution
<b>pH (at 25°C)</b>	:	5.6±0.2

### INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Aspergillus brasiliensis</i>	16404	10-100	Luxuriant	20-25°C	<=5 days
<i>Trichophyton mentagrophytes</i>	9533	Point Inoculation	Luxuriant	20-25°C	5-7 Days
<i>Candida albicans</i>	10231	50-100	Luxuriant	30-35°C	18-48 Hours
<i>Candida albicans</i>	10231	50-100	Luxuriant	20-25°C	<=5 days
<i>Candida krusei</i>	6258	50-100	Luxuriant	30-35°C	18-48 Hours
<i>Saccharomyces cerevisiae</i>	9763	50-100	Luxuriant	20-25°C	18-48 Hours



Trichoderma viride	52440	Point Inoculation	Luxuriant	20-25°C	5-7 Days
--------------------	-------	-------------------	-----------	---------	----------

#Formerly known as Aspergillus niger

### PACKAGING

In 100 & 500 gm packaging size.

### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°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 powder show evidence of microbial contamination, discoloration, drying, or other signs of deterioration.

### DISPOSAL

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

### REFERENCES

1. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061
2. Jarett, L., and A. C. Sonnenwirth (eds.). 1980. Gradwohl's and parasitic infections, 7th ed. American Public Health Association, Washington, D.C
3. British Pharmacopoeia, 2017, The Stationery office British Pharmacopoeia
4. European Pharmacopoeia, 2016, European Dept. for the quality of Medicines.
5. Japanese Pharmacopoeia, 2016. Revision :03 / 2019 7
6. Indian Pharmacopoeia, 2018 Ministry of Health and Family Welfare, Govt. of India.
7. The United States Pharmacopoeia, 2019 The United States Pharmacopoeial Convention. Rockville, MD.

 GMP Good Manufacturing Practices Certified	 Best Before	 Quantity	 Catalogue Number	 Manufacturer
 Temperature Unit	 Lot / Batch Number	 Consults Instructions for Use	 QR Code	

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

**\*For professional use only.**

Revision: 11<sup>th</sup> July 2020

