

## TMV 387 - SABOURAUD DEXTROSE AGAR (VEG.)

### INTENDED USE

For cultivation of yeasts, molds and aciduric microorganisms.

### PRODUCT SUMMARY AND EXPLANATION

Sabouraud Dextrose Veg Agar is prepared by completely replacing animal based peptones with vegetable peptones that makes the medium free of BSE/TSE risks. Sabouraud Dextrose Veg Agar is the modification of Carlier's formulation which is based on of the formulation described by Sabouraud for the cultivation of fungi (yeasts, moulds) particularly useful for the fungi associated with skin infections.

Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in a safety cabinet.

### COMPOSITION

Ingredients	Gms / Ltr
Veg peptone No. 4	10.0
Dextrose	40.0
Agar	15.0

### PRINCIPLE

Veg peptone No.4 provides nitrogenous compounds. Dextrose serves as an energy source. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens. Agar acts as a solidifying agent.

### INSTRUCTION FOR USE

- Dissolve 65.0 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C. Mix well and pour into sterile Petri plates.

### QUALITY CONTROL SPECIFICATIONS

<b>Appearance of Powder</b>	: Light yellow coloured, may have slight greenish tinge, homogenous, free flowing powder
<b>Appearance of prepared medium</b>	: Light amber coloured, clear to slightly opalescent gel forms in petri plates
<b>pH (at 25°C)</b>	: 5.6±0.2

### INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Aspergillus niger</i>	16404	10 -100	Luxuriant	≥70%	25-30°C	48 - 72 Hours



<i>Candida albicans</i>	10231	10 -100	Luxuriant	>=70%	25-30°C	48 - 72 Hours
<i>Escherichia coli</i>	25922	50 -100	Luxuriant (inhibited on media with lower pH)	>=70%	25-30°C	48 - 72 Hours
<i>Saccharomyces cerevisiae</i>	9763	10 -100	Luxuriant	>=70%	25-30°C	48 - 72 Hours
<i>Trichophyton rubrum</i>	28191	10 -100	Luxuriant	>=70%	25-30°C	7 Days

#### 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.

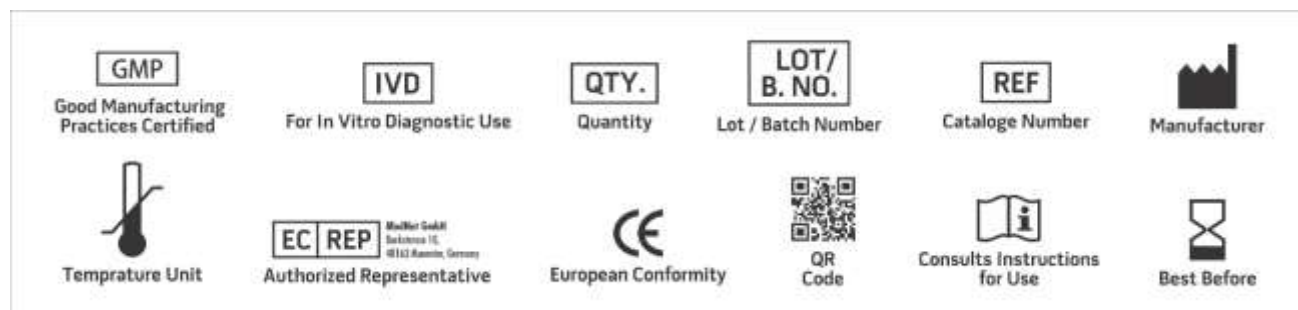
**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

#### DISPOSAL

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

#### REFERENCES

1. Carlier G. I. M., 1948, Brit. J. Derm. Syph., 60:61.
2. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061.
3. Murray PR, Baren EJ, Pfaller MA, Tenover FC, Tenover MC (editors) 2003, Manual of Clinical Microbiology, 8th ed., ASM, Washington, D.C.



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

**\*For Lab Use Only**  
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