

## Technical Information

### Malt Extract MiVeg Broth Base

#### Product Code : VM1255

**Application:-** Malt Extract MiVeg Broth Base is recommended for the detection, isolation and enumeration of yeasts and moulds.

#### Composition

Ingredients	Gms / Litre
Malt extract	17.00
MiVeg peptone No. 4	3.00
Final pH ( at 25°C)	5.4±0.2

\*\* Formula adjusted, standardized to suit performance parameters.

#### Principle & Interpretation

Malt Extract MiVeg Broth Base is specially prepared using MiVeg peptone No. 4 in place of peptone M which is animal based to make the medium BSE/TSE risks free. Malt Extract MiVeg Broth Base is similar to the formula of Galloway and Burgess (1) used for the detection, isolation and enumeration of yeasts and moulds. For mycological count, it is advisable to adjust the reaction of medium to more acidic with addition of 10% lactic acid or antibiotics may be added as sterile solutions before dispensing into the sterile tubes (2) in order to suppress bacterial growth. Malt extract solids supplies an acidic environment and nutrients required for metabolism by yeasts and moulds. MiVeg peptone No.4 rapidly provides luxuriant growth with typical morphology and pigmentation.

#### Methodology

Suspend 20.0 grams of powder media in 1000 ml distilled water and soak for 15 minutes. Mix thoroughly. Sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes. Mix well before dispensing. AVOID OVERHEATING.

#### Quality Control

##### Physical Appearance

Yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

##### Colour and Clarity of prepared medium

Light brown coloured, clear to slightly opalescent solution in tubes.

##### Reaction

Reaction of 2.0 % w/v aqueous solution pH: 5.4 ±0.2 at 25°C

##### pH range

5.2-5.6

##### Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	luxuriant
<i>Candida albicans</i> (10231)	luxuriant
<i>Saccharomyces cerevisiae</i> (9763)	luxuriant

#### Storage and Shelf Life

**Dried Media:** Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.



Dehydrated Culture Media  
Bases / Media Supplements

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 days.

## Further Reading

1. Galloway L.D. and Burgess R., 1952, Applied Mycology and Bacteriology, 3<sup>rd</sup> ed., Leonard Hill, London, pg. 54 and 57.
2. Harrigan W.F. and McCane M.E., 1976, Laboratory Methods in Food and Dairy Microbiology, Academic Press, N.Y.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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