

## TM 869 - STERILITY TESTING MEDIUM - A

### INTENDED USE

For checking presence of aerobic microorganisms in pharmacopoeial articles.

### PRODUCT SUMMARY AND EXPLANATION

Sterility Testing Medium A is used for checking the presence of aerobic microorganisms in pharmacopoeial articles.

### COMPOSITION

Ingredients	Gms / Ltr
Meat extract	5.000
Peptic digest of animal tissue	15.000
Sodium chloride	5.000

### PRINCIPLE

The medium contains peptic digest of animal tissue and meat extract which provide carbonaceous, nitrogenous compounds and essential growth nutrients for the growth of microorganisms. Sodium chloride maintains the osmotic balance.

### INSTRUCTION FOR USE

- Dissolve 25 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

**Appearance of Powder** : Cream to yellow coloured homogeneous free flowing powder.  
**Appearance of prepared medium** : Yellow coloured clear solution.  
**pH (at 25°C)** : 7.4±0.2

### INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Bacillus subtilis</i>	6633	50-100	Luxuriant	35-37°C	18-24 Hours
<i>Enterococcus faecalis</i>	29212	50-100	Luxuriant	35-37°C	18-24 Hours

<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	35-37°C	18-24 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	35-37°C	18-24 Hours

#### PACKAGING:

In pack size of 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.







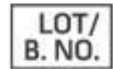


**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

#### DISPOSAL

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

#### REFERENCES

1. The Indian Pharmacopoeia, 3rd Ed., 1985, New Delhi, India

 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. 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 Lab Use Only**  
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