

TM 870 - STERILITY TESTING MEDIUM - B

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
Sodium thioglycollate	0.500
Resazurin	0.001
Agar	0.500

PRINCIPLE

The medium contains peptic digest of animal tissue and meat extract which provides carbonaceous, nitrogenous compounds and essential growth nutrients for the growth of organisms. Sodium chloride maintains the osmotic balance. Sodium thioglycollate acts as a reducing agent and maintains a low oxygen tension in the medium. Resazurin acts as pH indicator.

INSTRUCTION FOR USE

- Dissolve 26 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	: Light amber coloured clear to slightly opalescent solution with upper 10% or less medium pink on standing.
pH (at 25°C)	: 7.1±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Bacteroides fragilis</i>	25285	50-100	Luxuriant	35-37°C	18-48 Hours



<i>Clostridium sporogenes</i>	11437	50-100	Luxuriant	35-37°C	18-48 Hours
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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.

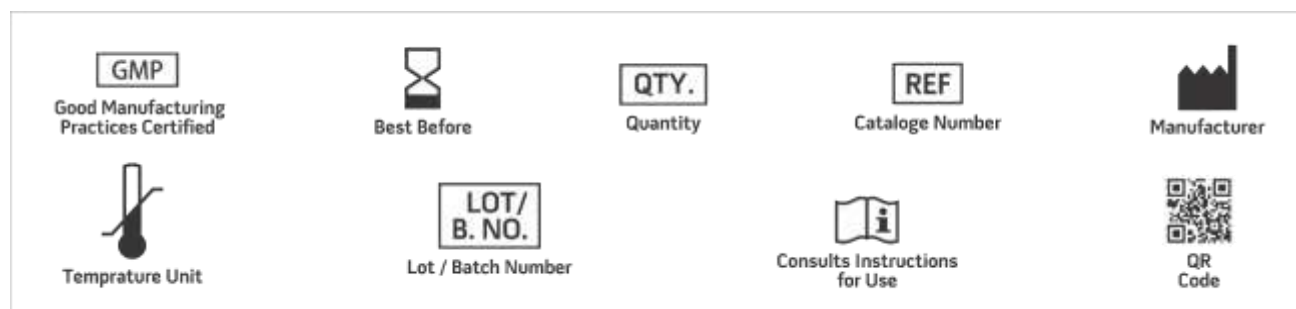
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

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



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

*For Lab Use Only
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