

Product Data Sheet

THIOMERSAL ASSAY MEDIUM (as per IP)

Product No. GB-DCM-00290-1A

INTENDED USE

For microbiological assay of Thiomersal.

PRODUCT SUMMARY

Thiomersal Assay Medium is used for microbiological assay of thiomersal using *Micrococcus flavus* as the test organism. Test procedure: Growth of 18-24 hours old culture is emulsified in 10 ml of sterile normal saline. Add 1.5 ml of the inoculum to 150 ml of the medium cooled to 45-50°C. Mix well and pour into Petri plates. to a depth of 3-4 mm. Cool the medium. The assay is carried out by cylinder plate or cup plate method. incubating the plates at 30°C for 18-24 hours.

Product Specifications

Ingredients	Gms / Ltr
Beef extract	3.000
Casein enzymic hydrolysate	10.000
Yeast extract	1.500
Sodium chloride	3.000
Sucrose	1.000
Agar	15.000

PRINCIPLE

Casein enzymic hydrolysate, beef extract and yeast extract provides nitrogenous and other essential growth nutrients. Sodium chloride maintains osmotic balance of the medium. Sucrose is the source of carbon.

INSTRUCTION FOR USE

- Suspend 33.5 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 20 minutes.
- Mix well and pour in sterile Petri plates.



QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder

Appearance of prepared medium: Amber coloured clear to slightly opalescent gel forms in Petri plates.

pH (at 25°C) : 7.5 ± 0.1

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Micrococcus flavus	10240	50-100	Good-luxuriant	≥70%	30°C	18-24 Hours

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.

This product is for research use only.