

TM 1506 - SOYA CASEIN DIGEST AGAR WITH INHIBITOR

INTENDED USE

A general purpose medium with inhibitor that inhibit the growth of Staphylococci.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Casein Digest Agar is recommended by various pharmacopoeias as sterility testing medium. It is also used for the sensitivity testing by the tube dilution method for antimicrobial agents. Gunn et al used this medium for the growth of fastidious organisms and to study haemolytic reaction after addition of 5% v/v blood.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	15.000
Papaic digest of soyabean meal	5.000
Sodium chloride	5.000
Sodium deoxycholate	0.500
Agar	15.000

PRINCIPLE

The combination of casein enzymic hydrolysate and papaic digest of soyabean meal makes the medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance. Sodium deoxycholate inhibits the growth of Staphylococci.

INSTRUCTION FOR USE

- Dissolve 40.5 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light yellow to medium amber coloured clear to slightly opalescent gel forms in Petri plates.
pH (at 25°C)	: 7.2±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period

<i>Bacteroides vulgatus</i>	8482	50-100	Luxuriant	>=70%	35-37°C	18-24 Hours
<i>Candida albicans</i>	10231	10-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
<i>Neisseria meningitidis</i>	13090	50-100	Luxuriant	>=70%	35-37°C	18-24 Hours
<i>Staphylococcus aureus</i>	25923	>=10 ³	Inhibited	0%	35-37°C	18-24 Hours
<i>Staphylococcus aureus</i>	25923	>=10 ³	Inhibited	0%	35-37°C	18-24 Hours
<i>Streptococcus pyogenes</i>	19615	50-100	Good-luxuriant	>=50%	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 United States Pharmacopoeia / National Formulary, 2008, USP31, The United States Pharmacopoeial Convention Inc., Rockville, MD.
2. Indian Pharmacopoeia, 2007, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.
3. Wright and Welch, 1959-60, Antibiotics Ann., 61.
4. Gunn B. A. et al, 1977, J. Clin. Microbiol., 5(6): 650.



 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Buckstraße 10 48143 Aachen, Germany</small>	 European Conformity	 QR Code	 Consults instructions for Use	 Best Before

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

***For Lab Use Only**
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