



## Product Information

### SOYABEAN CASEIN DIGEST AGAR

Product Number **S 3806**

#### Product Description

Soyabean Casein Digest Agar is a general purpose medium used for the cultivation of a wide variety of microorganisms. Soyabean casein digest agar conforms as per USP and is used in a microbial limit test and antimicrobial preservative-effective test. The combination of casein enzymic hydrolysate and papaic digest of soyabean meal makes the agar nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance in the media.

#### Components

| Item                           | g/L   |
|--------------------------------|-------|
| Casein Enzymic Hydrolysate     | 15.00 |
| Papaic Digest of Soyabean Meal | 5.00  |
| Sodium Chloride                | 5.00  |
| Agar                           | 15.00 |

Final pH (at 25 °C)  $7.3 \pm 0.2$

#### Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

#### Preparation Instructions

Suspend 40 grams of Soyabean Casein Digest Agar in 1000 mls of distilled water. Boil to dissolve the medium completely. If desired, aseptically add 5% v/v defibrinated blood.

#### Storage

Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

#### Product Profile

|                   |  |
|-------------------|--|
| Appearance        | Light yellow colored, homogeneous, free flowing powder.                                |
| Gelling           | Firm.  |
| Color and Clarity | Light yellow colored, clear to slightly opalescent gel forms in tubes or petri plates. |
| Cultural Response | Cultural characteristics observed after 18-24 hours at 35-37 °C.                       |

| Organisms                     | (ATCC)  | Growth w/o blood | Growth w/blood |
|-------------------------------|---------|------------------|----------------|
| <i>Candida albicans</i>       | (10231) | luxuriant        | luxuriant      |
| <i>Staphylococcus aureus</i>  | (25923) | luxuriant        | luxuriant      |
| <i>Streptococcus pyogenes</i> | (19615) | luxuriant        | luxuriant      |
| <i>Bacillus subtilis</i>      | (6633)  | luxuriant        | luxuriant      |
| <i>Bacteroides vulgatus</i>   | (8482)  | luxuriant        | luxuriant      |
| <i>Neisseria meningitidis</i> | (13090) | luxuriant        | luxuriant      |

#### References

1. The United States Pharmacopoeia/National Formulary, (1995). 23/18
2. The United States Pharmacopoeial Convention Inc. Rockville, Maryland.
3. American Type Culture Collection, Manassas, Va., U.S.A.

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