



Product Information

SOYABEAN CASEIN DIGEST MEDIUM

Product Number **S 3931**

Product Description

Soyabean Casein Digest Medium is a general purpose medium used for the cultivation of a wide variety of microorganisms. Soyabean Casein Digest Medium is recommended for sterility testing of molds and lower bacteria. It is also recommended as a sterility testing medium and for sensitivity testing by the tube dilution method for antimicrobial agents. This medium can be used for phage typing and colicine typing. 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. Dextrose and dipotassium phosphate serve as the carbohydrate source and the buffer in the medium, respectively. Sodium chloride maintains the osmotic balance in the medium.

Components

Item	g/l
Casein Enzymic Hydrolysate	17.00
Papaic Digest of Soyabean Meal	3.00
Sodium Chloride	5.00
Dipotassium Phosphate	2.50
Dextrose	2.50

Final pH (at 25 °C) 7.3 ± 0.2

Precautions and Disclaimer

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

Preparation Instructions

Suspend 30 grams of Soyabean Casein Digest Medium in 1000 mls of distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 minutes.

Storage

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

Product Profile

Appearance	Light yellow colored, powder
Color and Clarity	Light yellow colored, clear solution.
Cultural Response	Cultural characteristics observed after 18-48 hours at 35-37 °C.

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

References

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

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