



SOYA CASEIN DIGEST MEDIUM (TRYPTONE SOYA BROTH) (CASO BROTH) (as per ISO 9308-1:1987) TM 332

INTENDED USE

For sterility testing and cultivation of fastidious and non-fastidious microorganisms

COMPOSITION

Ingredients	Gms/Ltr.
Pancreatic digest of casein	17.000
Sodium chloride	5.000
Papaic digest of soybean	3.000
Dibasic hydrogen phosphate	2.500
Glucose monohydrate	2.500

PRODUCT SUMMARY AND EXPLANATION

Antibiotic assay medium no. 37 is also commonly known as Tryptone Soya Broth. It is a highly nutritious versatile medium, which is recommended by various pharmacopoeias for sterility testing and microbial limit testing in pharmaceutical industry.

PRINCIPLE

Pancreatic digest of Casein and Papaic digest of Soybean supports the growth of many fastidious organisms without the addition of serum etc. Glucose monohydrate serves as a carbohydrate source. Dibasic hydrogen phosphate acts as a buffering agent respectively. Sodium chloride maintains osmotic balance of the medium.

With the addition of 6.5% NaCl, Soybean-Casein Digest Medium can be used for the selective growth of group D Streptococci (Non- Enterococci).

INSTRUCTIONS FOR USE

1. Dissolve 30g in 1000ml distilled water.
2. Gently heat to boil with gentle swirling and dissolve the medium completely.
3. Dispense medium in culture tubes as desired.
4. Sterilize by autoclaving at 15 psi (121°C) for 15 minutes.
5. Cool the medium to room temperature before use.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder

Appearance of prepared medium: Light yellow colour, clear solution

pH (at 25°C): 7.3 ± 0.2



Microbiological parameters (Growth promotion test)

Cultural characteristics observed after inoculation and incubation as mentioned.

Test strains	ATCC	Inoculum (CFU/ml)	Growth
Incubation at 30 - 35°C for 18 - 72 hours for bacteria			
<i>Staphylococcus aureus</i>	6538P	50 - 100	Good-Luxuriant
<i>Staphylococcus aureus</i>	25923	50 - 100	Good-Luxuriant
<i>Escherichia coli</i>	8739	50 - 100	Good-Luxuriant
<i>Escherichia coli</i>	25922	50 - 100	Good-Luxuriant
<i>Pseudomonas aeruginosa</i>	9027	50 - 100	Good-Luxuriant
<i>Pseudomonas aeruginosa</i>	27853	50 - 100	Good-Luxuriant
<i>Bacillus subtilis</i>	6633	50 - 100	Good-Luxuriant
<i>Salmonella typhimurium</i>	14028	50 - 100	Good-Luxuriant
<i>Klebsiella pneumoniae</i>	13813	50 - 100	Good-Luxuriant
<i>Streptococcus pneumoniae</i>	6305	50 - 100	Good-Luxuriant
<i>Enterococcus faecalis</i>	29212	50 - 100	Good-Luxuriant
<i>Micrococcus luteus</i>	9341	50 - 100	Good-Luxuriant
<i>Clostridium sporogenes</i>	19494	50 - 100	Good-Luxuriant
Incubation at 20-25°C up to 5 days for fungi			
<i>Candida albicans</i>	10231	50 - 100	Good-Luxuriant
<i>Aspergillus brasiliensis</i>	16404	50 - 100	Good-Luxuriant

STORAGE & STABILITY

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°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.

REFERENCES

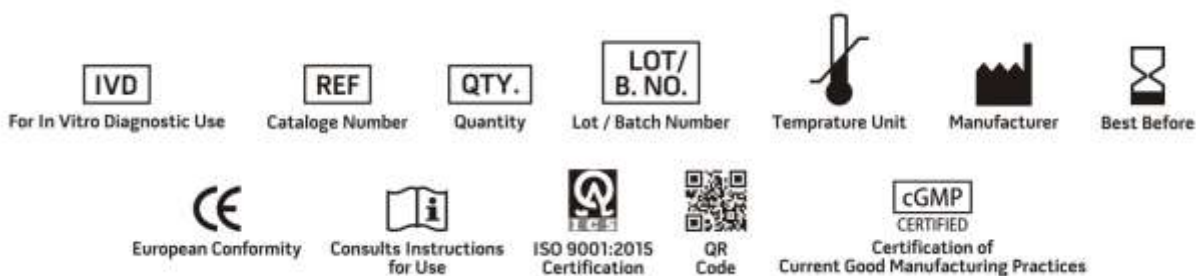
1. The United States Pharmacopoeia 2009. Amended Chapters 61, 62 & 111, The United States Pharmacopoeial Convention Inc., Rockville, MD.



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PRODUCT DATA SHEET

2. Directorate for the Quality of Medicines of the Council of Europe (EDQM). 2009. The European Pharmacopoeia, Amended Chapters 2.6.12, 2.6.13, 5.1.4, Council of Europe, 67075 Strasbourg Cedex, France.
3. Japanese Pharmacopoeia. 2008. Society of Japanese Pharmacopoeia. Amended Chapters 35.1, 35.2, 7. The Minister of Health, Labor, and Welfare.
4. Indian Pharmacopoeia. 2010. Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.



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