

Tryptic Soy Broth (TSB)

CASO Broth (Casein-peptone Soymeal-peptone Broth)

Universal culture media free from inhibitors and indicators for a wide spectrum of applications.

General Information

This medium complies with the recommendations of the harmonised method in the European Pharmacopeia 5.6 and the United States Pharmacopeia 29 (2006).

Typical Composition (g/litre)

Peptone from casein 17.0; peptone from soymeal 3.0; D(+)-glucose 2.5; sodium chloride 5.0; di-potassium hydrogen phosphate 2.5.

Preparation

Suspend 30 g/litre, autoclave (15 min at 121 °C).

pH: 7.3 ± 0.2 at 25 °C.

After preparation both media are clear and yellowish-brown.

Experimental Procedure and Evaluation

Depend on the purpose for which the media are used.

Incubation: 24 hours at 35 °C aerobically, for up to 7 days for the sterility-test at room-temperature.

Literature

European Pharmacopeia II. Chapter VIII. 3. und VIII. 10.

HAWKEY, P.H., MCCORMICK, A., a. SIMPSON, R.A.: Selective and differential medium for the primary isolation of members of the proteae. – J. Clin. Microbiol. 23; 600-603 (1986).

United States Pharmacopeia XXVI, Chapter "Microbial Limit Tests", 1995.

Ordering Information

Product	Ordering No.	Pack size
Tryptic Soy Broth (TSB)	1.05459.0500	500 g
Tryptic Soy Broth (TSB)	1.05459.5000	5 kg
Tryptic Soy Broth (TSB)	1.05459.9025	25 kg

Quality control (inoculum: about 100 microorganisms)

Test strains	Growth
Incubation 24 h at 35 °C	
Escherichia coli ATCC 8739	+
Staphylococcus aureus ATCC 6538	+
Streptococcus pneumoniae ATCC 6301	+
Bacillus subtilis ATCC 6633	+
Pseudomonas aeruginosa ATCC 9027	+
Salmonella typhimurium ATCC 14028	+
Incubation 3 days at 20 - 25 °C	
Staphylococcus aureus ATCC 6538	+
Staphylococcus aureus ATCC 25923	+
Staphylococcus aureus ATCC 12228	+
Bacillus subtilis ATCC 6633	+
Incubation 5 day at 20 - 25 °C	
Candida albicans ATCC 2091	+
Candida albicans ATCC 10231	+
Aspergillus niger ATCC 16404	+