

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