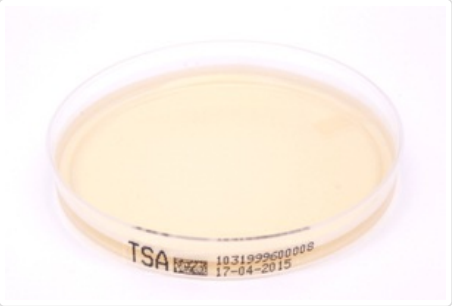
Tryptic Soy Agar acc. to EP/USP/JP (TSA)

Recommended by the Harmonised European Pharmacopoeia

Abbreviazione:	TSA
Numero articolo:	40-1031
Scheda:	Petri Dish, 90mm
Colore:	Yellowish
Condizioni di stoccaggio prodotti:	Dry, in closed bag, at 15 – 22°C.
Data di scadenza:	6 Months
Valore pH:	7,3 ± 0,2 at 25°C



Destinazione e applicazione

Tryptone Soya Agar is a very nutrient-rich universal growth for the microbiological examination of non-sterile products. A general purpose agar medium, containing two peptones, which will support the growth of a wide variety of organisms. It is suitable for the cultivation both of aerobic and anaerobic bacteria, the latter being grown either in deep cultures or by incubation under anaerobic conditions as well as yeasts and moulds.

The high numbers of microorganisms detectable using Tryptone Soya Agar is due to the addition of peptones gained from enzumatic hydrolysis of casein protein and soya proteins. It therfore includes - besides others - the detection of Listeria spp, Pasteurella spp, Vibrio spp, Haemophilus vaginalis or Candida spp.

Tryptone Soya Agar contains no carbohydrates so it can be used in the investigation of haemolytic reactions. The Pharmacopeia European (PhEur) recommends TSA for the enumeration of Total Viable Count in products under examination for microbial load.

Composizione tipica

in g per 1 litre of medium	
Pancreatic-digest of Casein Peptone	15.0
Enzyme-digest of Soya Bean Peptone	5.0
Sodium Chloride	5.0
Agar	15.0

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Controlli di qualita' microbiologici

The Microbiological Performance Test is carried out in accordance with the requirements of ISO 11133:2014 and/or PhEur. (Microbiological Examination of Non-Sterile Products in accordance with Chapter 2.6.13).

Productivity
Incubation conditions: 2–3 days at 30–35 °C; Inoculation concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Pseudomonas aeruginosa	ATCC 9027 / WDCM 00026	>70%	Medium-sized, yellowish colonies
Escherichia coli	ATCC 8739 / WDCM 00012	>70%	Yellow colonies
Clostridium perfringens	ATCC 13124 / WDCM 00007 (anaerobe Bebrütung)	>70 %	White colonies
Enterococcus faecalis	ATCC 29212 / WDCM 00087	>70 %	White colonies

Microbial Contamination
Incubation conditions: 5–7 days at 20–25 °C and 5–7 days at 30–35 °C

Specification

No microbial contamination

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