

Caseinpepton-Sojamehlpepton-Agar harm. EP/USP/JP

Recommended according to the Harmonization of EP / USP / JP

Shorthand symbol:	TSA
Item number:	50-1031
Format:	Contact plate
Colour:	Yellow
Storage conditions:	Dry and closed at 15...22°C.
Shelf-life:	3 Months
pH:	7,3 ± 0,2 bei 25°C



Intended use and fields of application

Casein peptone soya flour peptone agar is a very nutritious universal medium for testing non-sterile products. It is suitable as inhibitor and indicator-free nutrient medium for the isolation and cultivation of various demanding bacteria, yeasts and molds (aerobes and anaerobes). Case agar microorganisms is due to the fact that the nutrient medium contains enzymatic hydrolysis of casein protein and soya protein peptones. Listeria, Pasteurella, Vibrio, Haemophilus vaginalis or Candida can be detected. Case-agar does not contain carbohydrates, so it can be used in the study of hemolytic reactions. Pharmacopeia Europaea recommends Case-Agar for the determination of total microbial counts in the product to be tested by counting the bacteria on the agar plates.

Typical composition in g/l

in g per 1l

Peptone from casein	15.0
Peptone from soymeal	5.0
Sodium chloride	5.0
Agar	15.0

*Adjusted as required to meet performance standards

Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133 and the Pharm. Eur. (Microbiological testing of non-sterile products according to Chapter 2.6.13).

Productivity

Incubation conditions: 2 – 3 days at 30 – 35 °C; Inoculum concentration: 10 – 100 KBE

Organism	Test strain	Specification	Colony morphology
Staphylococcus aureus	ATCC 6538 / WDCM 00032	50 – 200 %	Medium size, light yellowish colonies
Pseudomonas aeruginosa	ATCC 9027 / WDCM 00026	50 – 200 %	Medium size, light yellowish colonies
Bacillus subtilis	ATCC 6633 / WDCM 00003	50 – 200 %	Large, flat, dry, uneven colonies
Candida albicans	ATCC 10231 / WDCM 00054	50 – 200 %	Small, white, dry colonies
Aspergillus brasiliensis	ATCC 16404 / WDCM 00053	50 – 200 %	Darkbrown to black conies on bright Mycel
Candida albicans (3 – 5 Tage, 20 – 25 °C)	ATCC 10231 / WDCM 00054	50 – 200 %	Small, white, dry colonies
Aspergillus brasiliensis (3 – 5 Tage, 20 – 25 °C)	ATCC 16404 / WDCM 00053	50 – 200 %	Darkbrown to black conies on bright Mycel

Microbial contamination

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

Specification

No microbial contamination