Casein Soya Bean Digest Agar (CASO Agar) acc. to harm. EP/USP/JP

TN1031 500 g
TN1033-01 5 kg

Intended use

Inhibitor- and indicator-free culture medium. Culture medium for testing non-sterile products. The medium fulfils the requirements of the harmonised methods according to EP/USP/JP. No IVD - The laboratory diagnostic examination of human samples has not been evaluated.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10…30 °C.

Shelf life

5 years

Directions

Suspend 40 g in 1 litre distilled water and heat until completely dissolved. Autoclave for 15 minutes at 121 °C.

Typical compostion

Component	g/l
Pancreatic digest of casein	15.0
Papaic digest of soya bean	5.0
Sodium chloride	5.0
Agar	15.0

Final pH at 25 °C

7.3 ± 0.2

Microbiological quality control

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Appearance of colonies	Incubation
Bacillus cereus ATCC 11778 WDCM 00001	80-120	≥ 70 %	slightly yellowish, irregularly bordered colonies	aerobically, max. 18 h, at 30-35 °C
Enterococcus faecalis ATCC 29212 WDCM 00087	80-120	≥ 70 %	slightly yellowish colonies	aerobically, max. 18 h, at 30-35 °C
Escherichia coli ATCC 8739 WDCM 00012	80-120	≥ 70 %	slightly yellowish colonies	aerobically, max. 18 h, at 30-35 °C
Escherichia coli ATCC 11775 WDCM 00090	80-120	≥ 70 %	slightly yellowish colonies	aerobically, max. 18 h, at 30-35 °C
Staphylococcus aureus ATCC 25923 WDCM 00034	80-120	≥ 70 %	slightly yellowish colonies	aerobically, max. 18 h, at 30-35 °C
Listeria monocytogenes 4b ATCC 13932 WDCM 00021	80-120	≥ 70 %	white colonies	aerobically, max. 18 h, at 30-35 °C
Staphylococcus aureus ATCC 6538 WDCM 00032	50-100	≥ 70 %	slightly yellowish colonies	aerobically, max. 3 d, at 30-35 °C
Pseudomonas aeruginosa ATCC 9027 WDCM 00026	50-100	≥ 70 %	slightly yellowish colonies	aerobically, max. 3 d, at 30-35 °C
Bacillus subtilis ATCC 6633 WDCM 00003	50-100	≥ 70 %	flat, dry, irregularly bordered colonies	aerobically, max. 3 d, at 30-35 °C
Candida albicans ATCC 10231 WDCM 00055	50-100	≥ 70 %	white, dry colonies	aerobically, max. 5 d, at 30-35 °C

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Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Appearance of colonies	Incubation
Aspergillus brasiliensis ATCC 16404 WDCM 00053	50-100	≥ 70 %	dark brown to black conidia on light-coloured mycelium	aerobically, max. 5 d, at 30-35 °C

Test strain with 5% blood	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology	Incubation
Staphylococcus aureus ATCC 6538 WDCM 00032	80-120	≥ 70 %	β-haemolysis around the colonies	aerobically, max. 18 h, at 30-35 °C

*) Reference medium used: Blood Agar and Sabouraud Agar
A recovery rate of e.g. ≥ 70 % corresponds to a productivity ratio of $P_R \geq 0.7$.

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