Palcam Agar (Base)
(Palcam Agar acc. to van Netten)

TN1209 500 g

Intended use

Used for the isolation and detection of Listeria monocytogenes from foodstuffs (according to § 64 German Food and Feed Code), biological samples and strongly contaminated samples from the environment.

Form

Powder

Colour

Reddish

Storage

Dry, tightly closed, at 10...30 °C.

Shelf life

5 years

Typical composition

Component	g/l
Peptones	23.0
Starch	1.0
Sodium chloride	5.0
Yeast extract	3.0
D-Glucose	0.5
D-Mannitol	10.0
Esculin	0.8
Ammonium iron (III) citrate	0.5
Lithium chloride	15.0
Phenol red	0.08
Agar	10.0

Directions

Suspend 34 g in 500 ml distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes and cool down to 50 °C. Dissolve one bottle of Palcam Selective Supplement (TN1312) according to instructions and add to 500 ml sterile cooled base culture medium. Mix well and pour plates.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate Palcam Agar (Base) (Palcam Agar acc. to van Netten) aerobically for 44-52 h at 37 ± 1 °C.

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Listeria monocytogenes Serovar ½ ATCC 15313	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria monocytogenes Serovar 4a ATCC 19114 (WDCM 00110)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria monocytogenes Serovar 4b ATCC 13932 (WDCM 00021)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria monocytogenes Serovar 4a ATCC 35152 (WDCM 00109)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria innocua Serovar 6a ATCC 33090 (WDCM 00017)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria ivanovii Serovar 5 ATCC 19119 (WDCM 00018)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Escherichia coli ATCC 8739 (WDCM 00012)	10^4-10^6	≤ 0.1 %	n.a.

Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de

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Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Escherichia coli ATCC 25922 (WDCM 00013)	10^4-10^6	≤ 0.1 %	n.a.
Enterococcus faecalis ATCC 19433 (WDCM 00009)	10^4-10^6	≤ 0.1 %	n.a.
Enterococcus faecalis ATCC 29212 (WDCM 00087)	10^4-10^6	≤ 0.1 %	n.a.

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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