Palcam Selective Supplement

TN1312 12 bottles 1 bottle for 0.5 l culture medium

Intended use

Used to inhibit accompanying flora during the isolation of *Listeria monocytogenes* on Palcam Agar (Base) (TN1209).

Form

Lyophilisate

Colour

Orange-red

Storage

Protected from light, at 2...8 °C.

Shelf life

5 years

Typical composition

Component	mg/bottle
Polymyxin B sulfate	5.0
Ceftazidim	10.0
Acriflavin hydrochloride	2.5

Directions

Prepare Palcam Agar (Base) (TN1209) according to instructions, autoclave and cool down to ca. 50 °C. Dissolve the contents of one bottle of Palcam Selective Supplement in 2 ml sterile distilled water, and add this under aseptic conditions to 500 ml sterile base culture medium when it has cooled down to 50 °C. Mix well and pour plates.

Microbiological quality control

Incubate plates aerobically for 48 ± 4 h at 37 ± 1 °C.

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Listeria monocytogenes Serovar 1/2 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 ATCC 13932 Serovar 4b (WDCM 00021)	80-120	≥ 50 %	greyish-green or black colonies with black corona
Listeria monocytogenes 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.
Escherichia coli ATCC 25922 (WDCM 00013)	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
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: TSA
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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