Listerien-Selektivagar Oxford

Shorthand symbol:	LSO
Item number:	40-1208
Format:	Petri dish, 90mm
Colour:	Yellow, transparent
Storage conditions:	Dry, closed, at 4-10°C
Shelf-life:	2 Months
pH:	7.0 ± 0.2 at 25°C

Intented use and fields of application

Oxford Listeria Selective Agar is used to isolate and detect Listeria monocytogenes from food and other research materials.

Typical composition in g/l

in g per 1l Medium	
Peptone	23
Starch	1
Sodium chloride	5
Esculin	1
Ammonium Iron (III)-citrate	0,5
Lithium chloride	15
Acriflavine	0.005
Cycloheximide	0.4
Colistin sulphate	0.02
Cefotetan	0.002
Phosphomycin	0.01
Agar	12

*Adjusted as required to meet performance standards

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Microbiological quality control

The microbial performance test is carried out inconformity with the requirements of DIN EN ISO 11133.

Productivity
Incubation conditions: 44 ± 4 Stunden bei 37 ± 1 °C; Inoculation Concentration: 80 – 120 CFU

Organism	Test strain	Specification	Colony morphology
Listeria monocytogenes 4b	ATCC 13932 / WDCM 00021	50 – 130 %	Grey green to black colonies with black background

Selectivity
Incubation conditions: 44 ± 4 hours at 37 ± 1 °C; Inoculation concentration: 10.000 – 1.000.000 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Complete Inhibition	-
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete Inhibition	-

Specificity
Incubation conditions: 44 ± 4 hours at 37 ± 1 °C; Inoculation concentration: 1.000 – 10.000 CFU

Organism	Test strain	Specification	Colony morphology
Listeria innocua	ATCC 33090 / WDCM 00017	Good growth	Grey green to black colonies with black background

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

Specification
Without microbial contamination

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