

CHROMedium Salmonella/XLD-Agar (ISO)

Shorthand symbol:	CXSA / XLD
Item number:	42-1552
Format:	Double Petri dish, 90mm
Colour:	Amber color / Red
Storage conditions:	Dry and closed at 15-22°C
Shelf-life:	4 Weeks
pH:	7.2 ± 0.2/7.4 ± 0.2 at 25°C



Intended use and fields of application

Double plate for the detection and identification of Salmonella

Typical composition in g/l

Chrom-X-Salmonella-Ident-Agar:

in g per 1l Medium

Casein peptone	5
Beef meat extract	5
Sodium citrate	8.5
Chromogenic Mixture	5.81
Antibiotic Mixture (Mix growth, in mg)	17
Agar	13

Xylose-Lysine-Deoxycholate Agar nach EP/USP/JP:

in g per 1l Medium

Yeast extract	3.0
L-Lysine	5.0
Xylose	3.5
Lactose-Monohydrate	7.5
Sucrose	7.5
Sodium deoxycholate	2.5
Sodium thiosulphate	6.8
Ammonium Iron (III)-citrate	0.8
Phenol red	0.08
Sodium chloride	5.0
Agar	13.5

*Adjusted as required to meet performance standards

Microbiological quality control

The microbial performancetest is carried out in conformity with the requirements of DIN EN ISO 11133

Chrom-X-Salmonella-Ident-Agar:

Productivity

Incubation conditions: 24 ± 3 Stunden bei 37 ± 1 °C; Inoculum concentration: 80 – 120 CFU

Organism	Test strain	Specification	Colony morphology
Salmonella enterica serovar Enteritidis	ATCC 13076 / WDCM 00030	50 – 130 %	Magenta colonies

Selectivity

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 10.000 – 1.000.000 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 25922 / WDCM 00013	Partial inhibition	Blue green colonies
Enterococcus faecalis	ATCC 19433 / WDCM 00009	complete inhibition	-

Microbial Contamination

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

Specification

No microbial contamination

Xylose-Lysine-Deoxycholate Agar nach EP/USP/JP:

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).

Produktivität

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 10 – 100 CFU

Organism	Test strain	Specification	Colony morphology
Salmonella enterica serovar Abony	NCTC 6017 / WDCM 00029	Good growth	Colonies with a black center and a slightly transparent reddish zone due to the color change of the medium
Salmonella enterica serovar Enteritidis	ATCC 13076 / WDCM 00030	50 – 130 %	Colonies with a black center and a slightly transparent reddish zone due to the color change of the medium

Selectivity

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum 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	-

Microbial Contamination

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

Specification

No microbial contamination



Xebios
Diagnostics