

CERTIFICATE OF ANALYSIS

PRODUCT CM0469B
X.L.D. MEDIUM 500g

LOT NUMBER 6271353

EXPIRY DATE 2028.06.30

**DATE OF
MANUFACTURE** 2025.05.27

Delivery/Customer information

Date Printed

2025.06.18

Delivery No.

Customer

Customer Order Number

Physical Characteristics

Results

Specification

Appearance	Straw/pink powder	Straw/pink powder
Colour on reconstitution	Red	Red
pH (25°C)	7.4	7.2 - 7.6
Clarity	Clear	Clear

Microbiological Performance

Control
cfuTest
cfuRecovery Test
% Description

Aerobic incubation at 37 ± 2°C for 24 ± 3 hours

Mixed cultures

Challenged with 1E+05 to 1E+07 colony-forming units (cfu) *Escherichia coli* ATCC®8739A satisfactory result is represented by differential diagnostic reactions of Salmonellae and Shigellae strains and *Escherichia coli*.

<i>Salmonella abony</i> NCTC6017	1.8E+04	-	-	Red cols, black centre
<i>Salmonella enteritidis</i> ATCC®13076	1.4E+04	-	-	Red cols, black centre
<i>Salmonella typhimurium</i> ATCC®14028	1.1E+04	-	-	Red cols, black centre
<i>Salmonella virchow</i> NCTC5742	1.3E+04	-	-	Red cols, black centre
<i>Salmonella arizonae</i> ATCC®13314	1.1E+04	-	-	Red cols, black centre
<i>Salmonella nottingham</i> NCTC7832	1.6E+04	-	-	Red cols, black centre
<i>Shigella sonnei</i> ATCC®9290	6.0E+03	-	-	Irregular/smooth, red cols
<i>Shigella flexneri</i> ATCC®12022	6.2E+03	-	-	Irregular, red cols

Pure cultures

For *Pseudomonas aeruginosa* ATCC®9027 a satisfactory result is represented by recovery equal to or less than 90% of the control medium from an inoculum of 10-100 cfu. Other cultures are inhibited or shall produce colonies with a negative diagnostic reaction from an inoculum of 10-100 cfu.

<i>Pseudomonas aeruginosa</i> ATCC®9027	63	55	87	Red cols
<i>Proteus mirabilis</i> ATCC®12453	77	68	88	Orange/red cols, black centre no swarm
<i>Proteus mirabilis</i> ATCC®29906	74	54	73	Orange/red cols, black centre no swarm
<i>Serratia marcescens</i> ATCC®8100	55	31	56	Orange/yellow cols
<i>Citrobacter freundii</i> ATCC®8090	53	64	121	Yellow cols
<i>Klebsiella pneumoniae</i> ATCC®29665	66	5	8	Yellow, mucoid cols
<i>Staphylococcus aureus</i> ATCC®6538	>1E+04	0	-	No growth

Inoculation using diminishing sweep technique

<i>Escherichia coli</i> ATCC®11775	>1E+04	-	-	Yellow cols
<i>Shigella sonnei</i> ATCC®25931	>1E+04	-	-	Irregular/smooth, red cols

OXOID LIMITED

Wade Road, Basingstoke, Hampshire RG24 8PW. England

www.ThermoFisher.com

CERTIFICATE OF ANALYSIS

PRODUCT CM0469B
X.L.D. MEDIUM 500g
LOT NUMBER 6271353

Testing has been performed in accordance with ISO11133:2014

Aerobic incubation at $37 \pm 2^\circ\text{C}$ for 24 ± 3 hours

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

<i>S. typhimurium</i> ATCC®14028 WDCM00031	64	57	89	Red cols, black centre
<i>S. enteritidis</i> ATCC®13076 WDCM00030	81	76	93	Red cols, black centre
<i>E. faecalis</i> ATCC®29212 WDCM00087	>1E+04	0	-	No growth
<i>E. faecalis</i> ATCC®19433 WDCM00009	>1E+04	0	-	No growth
	Control	Test	Log(10) Reduction	
	cfu	cfu		
<i>E. coli</i> ATCC®8739 WDCM00012	7.2E+04	1.0E+01	4	Yellow cols
<i>E. coli</i> ATCC®25922 WDCM00013	4.0E+04	0.0E+00	4	No growth

Tested in accordance with current CLSI M22 A

Aerobic incubation at 35°C for 18-24 hours

<i>Shigella flexneri</i> ATCC®12022	45	35	78	Irregular, red cols
<i>Salmonella typhimurium</i> ATCC®14028	64	57	89	Red cols, black centre
<i>Enterococcus faecalis</i> ATCC®29212	>1E+04	0	-	No growth
	Control	Test	Log(10) Reduction	
	cfu	cfu		
<i>Escherichia coli</i> ATCC®25922	4.0E+04	0.0E+00	4	No growth

Control Medium: Tryptone Soya Agar

Refer to product specification for full details.

The accuracy of the information provided in this certificate of analysis / conformity is considered reliable. However, it is important to note that (i) the information is only applicable, and (ii) the product is only approved, for the product's intended use as specified on the label, specification, and website. No warranty is hereby implied. This certificate may only be reproduced in its entirety and cannot be replicated partially or in any altered form.

Lot Accepted. 2025.06.18

This certificate is produced electronically and valid without a signature.

ATCC is a registered trade mark of the American Type Culture Collection.

NCTC and National Collection of Type Cultures are registered trade marks of the Health Protection Agency.