

CERTIFICATE OF ANALYSIS

PRODUCT CM0469B
X.L.D. MEDIUM 500g

LOT NUMBER 6271352

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	39	62	Red cols
<i>Proteus mirabilis</i> ATCC®12453	77	75	97	Orange/red cols, black centre no swarm
<i>Proteus mirabilis</i> ATCC®29906	74	67	91	Orange/red cols, black centre no swarm
<i>Serratia marcescens</i> ATCC®8100	55	51	93	Orange/yellow cols
<i>Citrobacter freundii</i> ATCC®8090	53	62	117	Yellow cols
<i>Klebsiella pneumoniae</i> ATCC®29665	66	47	71	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

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Testing has been performed in accordance with ISO11133:2014

Aerobic incubation at 37 ± 2°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	53	83	Red cols, black centre
<i>S. enteritidis</i> ATCC®13076 WDCM00030	81	73	90	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	1.2E+01	4	Yellow cols
<i>E. coli</i> ATCC®25922 WDCM00013	4.0E+04	1.0E+00	4	Yellow cols

Tested in accordance with current CLSI M22 A

Aerobic incubation at 35°C for 18-24 hours

<i>Shigella flexneri</i> ATCC®12022	45	34	76	Irregular, red cols
<i>Salmonella typhimurium</i> ATCC®14028	64	53	83	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	1.0E+00	4	Yellow cols

Control Medium: Tryptone Soya Agar
Refer to product specification for full details.

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Lot Accepted. 2025.06.18

This certificate is produced electronically and valid without a signature.

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