

# CERTIFICATE OF ANALYSIS

**PRODUCT** CM0533B  
S S AGAR (MODIFIED) 500g

**LOT NUMBER** 6262816

**EXPIRY DATE** 2030.05.31

**DATE OF MANUFACTURE** 2025.05.13

## Delivery/Customer information

Date Printed

2025.06.10

Delivery No.

Customer

Customer Order Number

| Physical Characteristics | Results         | Specification   |
|--------------------------|-----------------|-----------------|
| Appearance               | Pink/red powder | Pink/red powder |
| Colour on reconstitution | Pink/red        | Pink/red        |
| pH (25°C)                | 7.4             | 7.1 - 7.5       |
| Clarity                  | Clear           | Clear           |

| Microbiological Performance | Control<br>cfu | Test<br>cfu | Recovery Test<br>% | Description |
|-----------------------------|----------------|-------------|--------------------|-------------|
|-----------------------------|----------------|-------------|--------------------|-------------|

## Aerobic incubation at 37°C for 18-24 hours

Mixed cultures challenged with 1E+03 to 1E+05 cfu *Escherichia coli* ATCC®8739

Inoculation using diminishing sweep technique

**NOTE:Salmonella colonies may only be visible in the secondary or tertiary bed of the mixed culture streak.**

|  |         |   |   |                                  |
|--|---------|---|---|----------------------------------|
| <i>Salmonella enteritidis</i> ATCC®13076 | 2.7E+04 | - | - | Straw cols with black centre     |
| <i>Salmonella typhimurium</i> ATCC®14028 | 1.5E+04 | - | - | Straw cols with black centre     |
| <i>Salmonella virchow</i> NCTC5742       | 2.1E+04 | - | - | Straw cols with black centre     |
| <i>Shigella sonnei</i> ATCC®25931        | 1.1E+04 | - | - | Irregular, translucent pink cols |
| <i>Shigella boydii</i> NCTC11462         | 1.2E+04 | - | - | Irregular, translucent pink cols |
| <i>Shigella flexneri</i> ATCC®12022      | 1.5E+04 | - | - | Translucent pink cols            |

## Pure cultures

|  |        |    |    |                                    |
|--|--------|----|----|------------------------------------|
| <i>Salmonella typhimurium</i> ATCC®14028 | 66     | 53 | 80 | Straw cols with black centre       |
| <i>Shigella sonnei</i> ATCC®25931        | 40     | 29 | 73 | Irregular, translucent pink cols   |
| <i>Shigella dysenteriae</i> NCTC9721     | 28     | 16 | 57 | Translucent pink cols              |
| <i>Pseudomonas aeruginosa</i> ATCC®27853 | 95     | 94 | 99 | Straw cols                         |
| <i>Proteus mirabilis</i> ATCC®12453      | 77     | 63 | 82 | Straw cols, grey centre & no swarm |
| <i>Proteus mirabilis</i> ATCC®29906      | 90     | 58 | 65 | Straw cols, grey centre & no swarm |
| <i>Escherichia coli</i> ATCC®11775       | 69     | 51 | 74 | Pink cols                          |
| <i>Escherichia coli</i> ATCC®25922       | 34     | 0  | 0  | No growth                          |
| <i>Enterococcus faecalis</i> ATCC®29212  | >1E+04 | 0  | -  | No growth                          |

Control Medium: Tryptone Soya Agar

For mixed cultures, a satisfactory result is represented by differential diagnostic reactions of *Salmonellae* and *Shigellae* strains and *Escherichia coli*.

For pure cultures, a satisfactory result is represented by recovery of *Salmonellae* and *Shigellae* strains equal to or greater than 70% of the control medium from an inoculum of 10-100 cfu.

For *Shigella dysenteriae* NCTC9721, a satisfactory result is represented by recovery equal to or greater than 50% of the control medium

**OXOID LIMITED**

**Wade Road, Basingstoke, Hampshire RG24 8PW. England**

www.ThermoFisher.com

**CERTIFICATE OF ANALYSIS**

|                   |                            |             |
|-------------------|----------------------------|-------------|
| <b>PRODUCT</b>    | <b>CM0533B</b>             |             |
|                   | <b>S S AGAR (MODIFIED)</b> | <b>500g</b> |
| <b>LOT NUMBER</b> | <b>6262816</b>             |             |

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from an inoculum of 10-100 cfu.

For other strains, a satisfactory result is represented by recovery equal to or less than 100% of the control medium from an inoculum of 10-100 cfu.

Negative strains are inhibited or shall produce a negative diagnostic reaction.

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. 2025.05.30

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.