



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

| | |
|---|--------------------------|
| Product Name: MacConkey Agar w/o CV w/ 0.15% Bile Salts | |
| Product Code: DM144 | Expiry Date : 22/08/2023 |
| Lot Number: 05120818 | Release Date: 21/08/2018 |
| Analytical Report Number: QAD/AR-18/08-791 | Page No: 1 of 2 |

| DEHYDRATED MEDIUM | | | |
|---|--|---|----------|
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color | Light yellow to pink | Light yellow to pink | Complies |
| Consistency | Homogenous, free flowing powder | Homogenous, free flowing powder | Complies |
| PREPARED MEDIUM | | | |
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color of medium | Orange red coloured | Orange red coloured | Complies |
| Clarity of medium (After sterilization) | Clear to slightly opalescent gel forms in petri plates | Clear to slightly opalescent gel formed in petri plates | Complies |
| pH (After sterilization) | 6.90-7.30 at 25 °C | 7.19 | Complies |
| Gel strength | Firm as compared to 1.5% Agar gel | Firm as compared to 1.5% Agar gel | Complies |

CULTURAL PARAMETERS:

| Organisms | Incubation time/ temp | No. of organisms inoculated | No. of organisms recovered | Percentage recovery | Growth | Colour of colony | Remarks |
|---|----------------------------|-----------------------------|----------------------------|---------------------|-----------|---|----------|
| <i>Escherichia coli</i> ATCC 25922 | 35 - 37°C / 18 - 24 hrs | 91 | 73 | 80% | Luxuriant | Pink to red with Bile precipitate | Complies |
| <i>Enterobacter aerogenes</i> ATCC 13048 | 35 - 37°C / 18 - 24 hrs | 75 | 66 | 88% | Luxuriant | Pink to red | Complies |
| <i>Enterococcus faecalis</i> ATCC 29212 | 35 - 37°C / 18 - 24 hrs | 67 | 38 | 56% | Fair-good | Pale pink to red | Complies |
| <i>Proteus vulgaris</i> ATCC 13315 | 35 - 37°C / 18 - 24 hrs | 82 | 72 | 87% | Luxuriant | Colourless | Complies |
| <i>Salmonella paratyphi A</i> ATCC 9150 | 35 - 37°C / 18 - 24 hrs | 78 | 63 | 80% | Luxuriant | Colourless | Complies |



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY


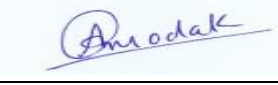

| | |
|---|--------------------------|
| Product Name: MacConkey Agar w/o CV w/ 0.15% Bile Salts | |
| Product Code: DM144 | Expiry Date : 22/08/2023 |
| Lot Number: 05120818 | Release Date: 21/08/2018 |
| Analytical Report Number: QAD/AR-18/08-791 | Page No: 2 of 2 |

CULTURAL PARAMETERS:

| Organisms | Incubation time/ temp | No. of organisms inoculated | No. of organisms recovered | Percentage recovery | Growth | Colour of colony | Remarks |
|---|----------------------------|-----------------------------|----------------------------|---------------------|-----------|------------------|----------|
| <i>Shigella flexneri</i> ATCC 12022 | 35 - 37°C / 18 - 24 hrs | 70 | 35 | 50% | Fair-good | Colourless | Complies |
| <i>Salmonella paratyphi B</i> ATCC 8759 | 35 - 37°C / 18 - 24 hrs | 75 | 62 | 82% | Luxuriant | Colourless | Complies |
| <i>Salmonella enteritidis</i> ATCC 13076 | 35 - 37°C / 18 - 24 hrs | 73 | 59 | 80% | Luxuriant | Colourless | Complies |
| <i>Salmonella typhi</i> ATCC 6539 | 35 - 37°C / 18 - 24 hrs | 72 | 61 | 84% | Luxuriant | Colourless | Complies |
| <i>Staphylococcus aureus</i> ATCC 25923 | 35 - 37°C / 18 - 24 hrs | $\geq 10^3$ | 0 | 0% | Inhibited | - | Complies |
| <i>Corynebacterium diphtheriae</i> type <i>gravis</i> | 35 - 37°C / 18 - 24 hrs | $\geq 10^3$ | 0 | 0% | Inhibited | - | Complies |
| <i>Staphylococcus epidermidis</i> ATCC 12228 | 35 - 37°C / 18 - 24 hrs | $\geq 10^3$ | 0 | 0% | Inhibited | - | Complies |

Final Results: COMPLIES

This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.

| | | |
|---|---|---|
|  |  |  |
| TESTED BY (Madhura Kadam) MICROBIOLOGIST | CHECKED BY (Aditi Modak) HEAD MICROBIOLOGY | APPROVED BY (Rupali Sabale) HEAD QUALITY ASSURANCE |

End Of The Report