



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

| | |
|---|---------------------------------|
| Product Name: M-Tergitol 7 Agar Base | |
| Product Code: DM1627 | Expiry Date : 14/06/2023 |
| Lot Number: 03440618 | Release Date: 14/06/2018 |
| Analytical Report Number: QAD/AR-18/06-552 | Page No: 1 of 2 |

| DEHYDRATED MEDIUM | | | |
|---|--|--|----------------|
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color | Yellow to blue colored powder | Yellow to blue colored powder | Complies |
| Consistency | Homogenous, free flowing powder | Homogenous, free flowing powder | Complies |
| PREPARED MEDIUM | | | |
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color of medium | Purple coloured medium | Purple coloured medium | Complies |
| Clarity of medium (After sterilization) | Clear to slightly opalescent gel forms in Petri plates | Clear to slightly opalescent gel forms in Petri plates | Complies |
| pH (After sterilization) | 7.20-7.60at 25°C | 7.44 | Complies |
| Gel strength | Firm, comparable with 1.5% Agar gel | Firm, comparable with 1.5% Agar gel | Complies |

CULTURAL PARAMETERS: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

| Organisms | Incubation time/ temp | No. of organisms inoculated | Growth | Recovery | Colour of Colony | Remarks |
|---|------------------------------|------------------------------------|----------------|-----------------|-------------------------|----------------|
| <i>Escherichia coli</i> ATCC 25922 | 35-37°C\ 18-24 hrs. | 58 | Good-luxuriant | 77% | Yellow | Complies |
| <i>Enterobacter aerogenes</i> ATCC 13048 | 35-37°C\ 18-24 hrs. | 84 | Good-luxuriant | 73% | Yellow | Complies |
| <i>Salmonella typhimurium</i> ATCC 14028 | 35-37°C\ 18-24 hrs. | 81 | Good-luxuriant | 77% | Blue | Complies |
| <i>Salmonella paratyphi A</i> ATCC 9150 | 35-37°C\ 18-24 hrs. | 75 | Good-luxuriant | 70% | Blue | Complies |
| <i>Shigella flexneri</i> ATCC 12022 | 35-37°C\ 18-24 hrs. | 73 | Good-luxuriant | 79% | Blue | Complies |
| <i>Salmonella typhi</i> ATCC 6539 | 35-37°C\ 18-24 hrs. | 78 | Good-luxuriant | 74% | Blue | Complies |
| <i>Staphylococcus aureus</i> ATCC 25923 | 35-37°C\ 18-24 hrs. | >=10 ³ | Inhibited | 0% | -- | Complies |






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Final Results: **COMPLIES**

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

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

End Of The Report