



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

| | |
|--|---------------------------------|
| Product Name: RTU Soyabean Casein Digest Agar | |
| Product Code: DM247 | Expiry Date: 05/02/2023 |
| Lot Number: 00280118 | Release Date: 05/01/2018 |
| Analytical Report Number: QAD/AR-18/01-92 | Page No: 1 of 3 |

| DEHYDRATED MEDIUM | | | |
|---|---|---|----------------|
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color | Cream to yellow powder | Cream to yellow powder | Complies |
| Consistency | Homogenous, free flowing powder | Homogenous, free flowing powder | Complies |
| PREPARED MEDIUM | | | |
| TEST CONDUCTED | SPECIFICATION | OBSERVATIONS | REMARKS |
| Color of medium | Basal Medium : Light yellow color | Basal Medium : Light yellow color | Complies |
| | After addition of 5-7%w/v sterile defibrinated blood : Cherry red colored | After addition of 5-7%w/v sterile defibrinated blood : Cherry red colored | |
| Clarity of medium (After sterilization) | Basal Medium: Clear to opalescent gel | Basal Medium: Clear to opalescent gel | Complies |
| | After addition of 5-7%w/v sterile defibrinated blood : opaque gel forms in Petri plates | After addition of 5-7%w/v sterile defibrinated blood : opaque gel forms in Petri plates | |
| pH (After sterilization) | 7.10-7.50 at 25°C | 7.26 | Complies |
| Gel strength | Firm gel as compared to 1.5% Agar | Firm gel as compared to 1.5% Agar | Complies |



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CULTURAL PARAMETERS:

| Organisms | Incubation time/ temp | No. of organisms inoculated | No. of organisms recovered | Percentage Recovery | No. of organisms recovered | | Percentage Recovery | Haemolysis | Remarks |
|---|-----------------------|-----------------------------|----------------------------|---------------------|----------------------------|------------|---------------------|------------|---------|
| | | | | | With Added Blood | | | | |
| <i>Bacillus subtilis</i> ATCC 6633 | 30-35°C 18-24 hrs | 95 | 79 | 83% | 95 | 73% | None | Complies | |
| <i>Staphylococcus aureus</i> ATCC 6538 | 30-35°C 18-24 hrs | 68 | 56 | 82% | 68 | 72% | Beta | Complies | |
| <i>Staphylococcus aureus</i> ATCC 25923 | 30-35°C 18-24 hrs | 87 | 73 | 84% | 87 | 75% | Beta | Complies | |
| <i>Escherichia coli</i> ATCC 8739 | 30-35°C 18-24 hrs | 57 | 47 | 82% | 57 | 71% | None | Complies | |
| <i>Escherichia coli</i> ATCC 25922 | 30-35°C 18-24 hrs. | 91 | 78 | 86% | 91 | 77% | None | Complies | |
| <i>Escherichia coli</i> NCTC 9002 | 30-35°C 18-24 hrs | 79 | 65 | 82% | 79 | 81% | None | Complies | |
| <i>Pseudomonas aeruginosa</i> ATCC 9027 | 30-35°C 18-24 hrs | 58 | 47 | 81% | 58 | 76% | -- | Complies | |
| <i>Pseudomonas aeruginosa</i> ATCC 27853 | 30-35°C 18-24 hrs | 89 | 74 | 83% | 89 | 77% | -- | Complies | |
| <i>Salmonella abony</i> NCTC 6017 | 30-35°C 18-24 hrs | 90 | 78 | 87% | 90 | 71% | -- | Complies | |
| <i>Micrococcus luteus</i> ATCC 9341 | 30-35°C 18-24 hrs | 68 | 55 | 81% | 68 | 77% | -- | Complies | |
| <i>Streptococcus pneumonia</i> ATCC 6305 | 30-35°C 18-24 hrs | 82 | 71 | 87% | 82 | 79% | -- | Complies | |
| <i>Salmonella Typhimurium</i> ATCC 14028 | 30-35°C 18-24 hrs | 82 | 70 | 85% | 82 | 82% | -- | | |



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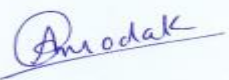

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CULTURAL PARAMETERS:

| Organisms | Incubation time/ temp | No. of organisms inoculated | No. of organisms recovered | Percentage Recovery | No. of organisms recovered | 74% | Haemolysis 85% | Remarks |
|---|-----------------------|-----------------------------|----------------------------|---------------------|----------------------------|-----|----------------|----------|
| | | | | | With Added Blood | | | |
| <i>Candida albicans</i> ATCC 10231 | 30-35°C 18-24 hrs | 91 | 77 | 86% | 91 | 81% | -- | Complies |
| <i>Candida albicans</i> ATCC 2091 | 20-25°C ≤ 5days | 75 | 62 | 83% | 75 | 82% | -- | Complies |
| <i>Aspergillus brasiliensis</i> ATCC 16404 | 20-25°C ≤ 5days | 86 | 70 | 81% | 86 | 74% | -- | Complies |

Final Results: COMPLIES

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

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

End Of The Report