

**CERTIFICATE OF ANALYSIS**

QA/F/01 Rev no. 03

|                          |   |
|--------------------------|---|
| <b>PRODUCT:</b>          | Mac Conkey agar w/ cv, Nacl and 0.15% bile salt |
| <b>PRODUCT CODE NO.:</b> | B1315   |

**QUALITY CONTROL TESTS : DEHYDRATED MEDIUM**

| PARAMETERS        | SPECIFICATIONS/STANDARD VALUES |
|-------------------|--------------------------------|
| <b>COLOR</b>      | Light yellow to pink           |
| <b>APPEARANCE</b> | Homogenous free flowing powder |

**QUALITY CONTROL TESTS : REHYDRATED MEDIUM**

| PARAMETERS                         | SPECIFICATIONS/STANDARD VALUES |
|------------------------------------|--------------------------------|
| pH(post autoclaving/heating)       | 7.2+/-0.2                      |
| COLOR (post autoclaving/heating)   | Red with purplish tinge        |
| CLARITY (post autoclaving/heating) | Clear to slightly opalescent   |

**QUALITY CONTROL TESTS: MICROBIOLOGICAL**

**CULTURAL RESPONSE:**

Cultural characteristics observed after 18 –24 hrs at 35-37° C

| Organism Description             | Inoculum (CFU) | Growth         | Recovery | Colour of colony               |
|----------------------------------|----------------|----------------|----------|--------------------------------|
| Enterobacter aerogenes ATCC13048 | 50-100         | Good-luxuriant | >=50%    | Pink to red                    |
| Escherichia coli ATCC8739        | 50-100         | Good-luxuriant | >=50%    | pink-red with bile precipitate |
| Proteus vulgaris ATCC13315       | 50-100         | Good-luxuriant | >=50%    | colourless                     |
| Salmonella enteritidis ATCC13076 | 50-100         | Good-luxuriant | >=50%    | colourless                     |
| Salmonella typhi ATCC6539        | 50-100         | Good-luxuriant | >=50%    | colourless                     |
| Salmonella paratyphiA ATCC 9150  | 50-100         | Good-luxuriant | >=50%    | colourless                     |
| Salmonella paratyphiB ATCC 8759  | 50-100         | Good-luxuriant | >=50%    | colourless                     |
| Shigella flexneri ATCC 12022     | 50-100         | Fair-good      | 30-40%   | colourless                     |

|                                     |             |                |             |                                   |
|-------------------------------------|-------------|----------------|-------------|-----------------------------------|
| nterococcus<br>faecalisATCC 29212   | 50-100      | Fair-good      | 30-40%      | Pale pink to red                  |
| Staphylococcus<br>aureus ATCC 25923 | $\geq 10^3$ | Inhibited      | 0%          | -                                 |
| Staphylococcus<br>aureus ATCC 6538  | $\geq 10^3$ | Inhibited      | 0%          | -                                 |
| Escherichia coli<br>ATCC25922       | 50-100      | Good-luxuriant | $\geq 50\%$ | Pink-red with bile<br>precipitate |

