



# Certificate of Analysis



Catalog No.: 257574 / 257584  
Product Description: BD™ MacConkey II Agar / Columbia CNA Agar Improved II with 5% Sheep Blood (Biplate)  
Lot Number: 8250807  
Expiry Date: 30. November 2018  
Date of Manufacture: 21. September 2018  
Date of Release: 01. October 2018  
Storage Temperature: 2 - 8° C

## Physical Characteristics

|                             |   |
|-----------------------------|---|
| Plate type                  | Biplate 90mm  |
| Media colour / appearance   | MacConkey II: Light pink, slightly opalescent<br>Col. CNA Improved II 5%SB: Red, opaque |
| pH                          | MacConkey II: 7.1 ± 0.2 / Col. CNA Improved II 5%SB: 7.3 ± 0.2                          |
| Sterility (7 days at 28° C) | Within set limits   |

## Microbiology

### MacConkey II Agar:

| Organism               | Strain No. | Expected growth (growth intensity) | Actual growth (growth intensity) |
|------------------------|------------|------------------------------------|----------------------------------|
| Escherichia coli       | ATCC 25922 | Good to excellent                  | Excellent                        |
| Proteus mirabilis      | ATCC 12453 | Good to excellent                  | Excellent                        |
| Salmonella Typhimurium | ATCC 14028 | Good to excellent                  | Excellent                        |
| Salmonella Abony       | DSM 4224   | Good to excellent                  | Excellent                        |
| Shigella flexneri      | ATCC 12022 | Good to excellent                  | Excellent                        |
| Enterococcus faecalis  | ATCC 29212 | Inhibited                          | Inhibited                        |
| Staphylococcus aureus  | ATCC 25923 | Inhibited                          | Inhibited                        |

### Columbia CNA Agar Improved II with 5% Sheep Blood:

| Organism                 | Strain No.        | Expected growth (growth intensity) | Actual growth (growth intensity) | Actual hemolytic reaction |
|--------------------------|-------------------|------------------------------------|----------------------------------|---------------------------|
| Streptococcus pyogenes   | ATCC 19615        | Good to excellent                  | Excellent                        | Beta (strong)             |
| Streptococcus pneumoniae | ATCC 6305         | Good to excellent                  | Excellent                        | Alpha (strong)            |
| Enterococcus faecalis    | ATCC 29212        | Good to excellent                  | Excellent                        | Beta (weak)               |
| Staphylococcus aureus    | ATCC 25923        | Good to excellent                  | Excellent                        | Beta (weak)               |
| Staphylococcus aureus    | Wild strain 15135 | Good to excellent                  | Excellent                        | Beta (weak)               |
| Pseudomonas aeruginosa   | ATCC 27853        | Inhibited                          | Inhibited                        | N/A                       |
| Proteus mirabilis        | ATCC 12453        | Inhibited                          | Inhibited                        | N/A                       |
| Proteus mirabilis        | Wild strain 44-03 | Inhibited                          | Inhibited                        | N/A                       |

Incubation: 18 - 24h, 35 - 37°C, aerobic

We confirm that the above mentioned product lot meets the specification.

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