



# 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: 8240771  
 Expiry Date: 13. November 2018  
 Date of Manufacture: 05. September 2018  
 Date of Release: 12. September 2018  
 Storage Temperature: 2 - 8° C

## Physical Characteristics

Plate type	Biplate 90mm
Media colour / appearance	MacConkey II: Light pink, slightly opalescent 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	Good
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	Good	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	Good	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.

Manufactured by Becton Dickinson GmbH · Tullastrasse 8 – 12, D-69126 Heidelberg (Germany)

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