



3651 Clipper Mill Rd.  
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## Certificate of Analysis

MacConkey Broth  
Catalog Number: M13-111  
Lot Number: 201106032311  
Expiration: November 2023

### Physical And Chemical Tests

**DCM Appearance:**

(Homogeneous, free  
flowing, light grayish to greenish beige)

Free flowing powder,  
homogeneous,  
light grayish beige

**PPM Color/Clarity:**

(Purple/ clear to light haze)

Purple/Clear

**pH:**

(3.5% solution at 25°C: 7.3 +/- 0.2):

7.41

### Microbiological Tests

Microorganisms

Growth & Reactions\*

*Enterobacter aerogenes*  
ATCC 13048

Good growth  
Acid (yellow), Gas +

*Enterococcus faecalis*  
ATCC 29212

Growth inhibited

*Escherichia coli*  
ATCC 25922

Good growth  
Acid (yellow), Gas +

*Salmonella typhimurium*  
ATCC 14028

Good growth  
Purple, Gas -

*Shigella flexneri*  
ATCC 12022

Good growth  
Purple, Gas -

*Staphylococcus aureus*  
ATCC 25923

Growth inhibited

\* The following results were obtained from type cultures after incubation at a temperature of 35°C and observed after 18-48 hours.

### Laboratory Results: Satisfactory

Country of Manufacture:  
Testing performed by:  
Completed on:  
QC Release by:

USA  
Q. McClary/B. Henson  
11-19-20  
Abida Kazmi