



## Certificate of Analysis

MacConkey Broth  
Catalog Number: M13-111  
Lot Number: 2107AN  
Expiration: July 13 2024  
MFG Date: July 14 2021

3651 Clipper Mill Rd.  
Baltimore, MD 21211  
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### Physical And Chemical Tests

<b>DCM Appearance:</b> (Homogeneous, free flowing, light grayish to greenish beige)	Free flowing powder, homogeneous, light grayish beige
<b>PPM Color/Clarity:</b> (Purple/ clear to light haze)	Purple/Clear
<b>pH:</b> (3.5% solution at 25°C: 7.3 +/- 0.2):	7.48

### Microbiological Tests

<u>Microorganisms</u>	<u>Growth &amp; Reactions*</u>
<i>Enterobacter aerogenes</i> ATCC 13048	Excellent growth Acid (yellow), Gas +
<i>Enterococcus faecalis</i> ATCC 29212	Growth inhibited
<i>Escherichia coli</i> ATCC 25922	Excellent growth Acid (yellow), Gas +
<i>Salmonella typhimurium</i> ATCC 14028	Good growth Purple, Gas -
<i>Shigella flexneri</i> ATCC 12022	Good growth Purple, Gas -
<i>Staphylococcus aureus</i> 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:	USA
Testing performed by:	H. McGinnis/B. Henson
Completed on:	07-27-21
QC Release by:	Quanique McClary