



Certificate of Analysis

MacConkey Broth
Catalog Number: M13-111
Lot Number: 200416032304
Expiration: April 2023

3651 Clipper Mill Rd.
Baltimore, MD 21211
Phone (410) 467-9983
Fax (410) 467-5088

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):	7.28

Microbiological Tests

<u>Microorganisms</u>	<u>Growth & Reactions*</u>
<i>Enterobacter aerogenes</i> ATCC 13048	Good growth Acid (yellow), Gas +
<i>Enterococcus faecalis</i> ATCC 29212	Growth inhibited
<i>Escherichia coli</i> ATCC 25922	Good 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:	A.Kazmi/H.McGinnis
Completed on:	4-24-20
QC Release by:	Elizabeth Fox