

Product: MacConkey Agar

Catalog Number: i23 101

Lot Number:

Date of Release:

Expiration Date:

Dehydrated Appearance: Beige, free-flowing, homogeneous.

Solution: 5.0% solution, soluble in purified water after autoclaving. Solution is red-brown, slightly opalescent.

Prepared Appearance: Red with purplish tinge colored, clear to slightly opalescent.

pH at 25 °C: 7.1 ± 0.2

Cultural Response: Prepare the medium per label directions. Inoculate and incubate at 35 ± 2°C for 18-24 hours (incubate *E. coli* ATCC 25922 for 40-48 hours). For *E. coli* ATCC 8739, inoculate in duplicate and incubate one plate at 30-35°C for 18-24 hours and the other plate at 35-37°C for 18-72 hours.

Organism	ATCC*	Inoculum CFU	Recovery	Colony color	Bile PPT.
<i>Escherichia coli</i>	25922	30-300	Good	Pink to red	+
<i>Escherichia coli</i>	8739	<100	Growth (18-24h at 30-35 °C)	Pink to red	+
<i>Escherichia coli</i>	8739	<100	Growth (18-24h at 35-37 °C)	Pink to red	+
<i>Enterococcus faecalis</i>	29212	10 ³	Marked to complete inhibition	-	-
<i>Salmonella typhimurium</i>	14028	30-300	Good	Colorless	-
<i>Proteus mirabilis</i>	12453	30-300	Good	Colorless	-

*ATCC is a registered trade mark of the American Type Culture Collection.

QC Department