

## OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

### MacCONKEY BROTH

CM0005

#### Typical Formula\*

Peptone	grams per litre	20.0
Lactose		10.0
Bile salts		5.0
Sodium chloride		5.0
Neutral red		0.075

\* adjusted as required to meet performance standards

#### Directions

To prepare single strength broth, dissolve 40g in 1 litre of distilled water. Mix well and distribute into final containers with Durham tubes. Sterilize by autoclaving at 121°C for 15 minutes.

#### Physical Characteristics

Straw/pink, free-flowing powder

Moisture level - less than 7%

pH 7.4 ± 0.2 at 25°C

Clarity - clear

#### Microbiological Tests Using Optimum Inoculum Dilution

##### Reactions after incubation at 37°C for 24 hours

<i>Escherichia coli</i>	ATCC® 8739	Turbid growth and gas
<i>Escherichia coli</i>	ATCC® 11775	Turbid growth and gas
<i>Klebsiella pneumoniae</i>	ATCC® 29665	Turbid growth and gas
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Surface pellicle, no gas
<i>Staphylococcus aureus</i>	ATCC® 6538	Turbid growth, no gas

##### Reactions after incubation at 44°C for 24 hours

<i>Escherichia coli</i>	ATCC® 8739	Turbid growth and gas
<i>Escherichia coli</i>	ATCC® 11775	Turbid growth and gas
<i>Klebsiella pneumoniae</i>	ATCC® 29665	No growth to turbid growth, no gas