

# Product Specification Sheet

## *MacConkey Agar No.3 (Contact Plate)*

Intended Usage: For the enumeration of colony counts on surfaces.

For professional use only.

<b>PO5053C</b>	
Version: 10	Revision Date: 01 April 2019

**Thermo Scientific™ MacConkey Agar No.3 (Contact Plate)**

Form of Product	Poured plate
Storage	2 – 25°C, dark
Filling weight	13.5 g ± 5 %
Packaging	Boxes with 2 x 10 plates wrapped in film
pH	7.1 ± 0.2
Colour	Antique pink, transparent
Shelf life	16 weeks
Intended Usage	For the enumeration of colony counts on surfaces. For professional use only.
Technique	Depends on the different methods. For information see ISO/DIS 18593.

Typical formulation*	g/l
Peptone	20.0
Lactose	10.0
Bile Salts No. 3	1.5
Sodium chloride	5.0
Neutral red	0.03
Crystal violet	0.001
Agar	18.0

\*Adjusted as required to meet performance standards.

## Quality Control

1. Control for general characteristics, labeling and printing.
2. Control for sterility  
 > 72 h @ 20 – 25 °C, aerobic  
 > 72 h @ 30 – 35 °C, aerobic
3. Biological control  
 Inoculum size for productivity: 10 – 100 cfu  
 Inoculum size for selectivity:  $10^4$  –  $10^5$  cfu  
 Inoculum size for specificity: < 10 000 cfu

Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic

Control Strain	Growth
<i>Escherichia coli</i> ATCC® 8739™	2 – 5 mm, pink colonies and bile precipitate.
<i>Salmonella Typhimurium</i> ATCC® 14028™	3 – 5 mm, brown shiny colonies.
<i>Staphylococcus aureus</i> ATCC® 6538™	No growth.