

MACCONKEY AGAR, SORBITOL

A selective and differential medium for the detection of *Escherichia coli* O157 according to ISO 16654. If necessary to increase the selectivity of the medium use MacConkey Agar, Sorbitol ES.

Dehydrated media	
Code number:	500 g: MCS20500, 5 kg: MCS25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction for MacConkey Agar, Sorbitol: Suspend **26 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Direction for MacConkey Agar, Sorbitol ES: Dissolve the contents of **one vial of Cefixime Tellurite Selective Supplement (CTS80004)** with 4 ml of sterile distilled water and add aseptically to **500 ml of MacConkey Agar, Sorbitol** at 50 °C. Mix well before pouring.

Prepared media	
Bottled media:	100 ml: MCS30100, 500 ml: MCS30500
Plated MacConkey Agar, Sorbitol:	55 mm: MCS50055, 90 mm: MCS50090
Plated MacConkey Agar, Sorbitol ES :	55 mm: MCS50055-EN, 90 mm: MCS50090-EN
Colour:	Purplish red
pH (25 °C):	7,0 - 7,2

Direction: If necessary, supplement may be added to the melted bottled media according to the direction of the dehydrated media. Dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	20,500
Bile salts No.3	1,500
Sorbitol	10,000
Sodium chloride	5,000
Neutral red	0,030
Crystal violet	0,001
Agar	15,000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i> O157 ATCC 35150		Good, colourless colonies	
<i>Escherichia coli</i> ATCC 25922		Good, purplish red colonies	
<i>Enterococcus faecalis</i> ATCC 29212		Inhibited	

References: ISO 16654

In vitro diagnostic – for professional use only!