

## Sorbitol MacConkey Agar (SMAC Agar)

TN 1220 500 g



### Intended use

Used to detect *E. coli* serogroup O 157.

### Form

Powder

### Colour

Reddish

### Storage

Dry, tightly closed, at 10...25 °C.

### Shelf life

3 years

### Typical composition

Component	g/l
Casein peptone	17
Meat peptone	3
Sorbitol	10
Sodium chloride	5
Bile salts no. 3	1.5
Agar	12
Neutral red	0.03
Crystal violet	0.001

### Directions

Suspend 48.5 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

### Final pH at 25 °C

7.1 ± 0.2

### Microbiological quality control

Incubate Sorbitol MacConkey Agar (SMAC Agar) aerobically for 18-24 hours at 36 ± 1 °C.

Test strain	No.	Growth	Appearance of colonies
<i>Escherichia coli</i>	ATCC 25922	+	large and pink, with turbid corona
<i>Escherichia coli</i> O157:H7	clinical isolate	+	colourless
<i>Salmonella</i> Enteritidis	clinical isolate	+	pink
<i>Shigella dysenteriae</i> 1	clinical isolate	+	colourless
<i>Shigella sonnei</i>	clinical isolate	+	colourless
<i>Bacillus cereus</i>	clinical isolate	-	
<i>Proteus sp.</i>	clinical isolate	+	colourless, swarming inhibited
<i>Staphylococcus aureus</i>	ATCC 25923	-	