Media, M17

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M17 agar is recommended as an improved medium for the growth and enumeration of lactic streptococci and their bacteriophages. It is particularly suitable for growing and maintaining starter cultures for cheese and yoghurt manufacture and is also able to detect streptococcal mutants which are unable to ferment lactose.

M17 broth has been produced in parallel with M17 agar and is a suitable medium for the maintenance of starter cultures because of its considerable buffering capacity and the little effect it has on the subsequent acid-producing ability of these cultures.

M17 agar

Catalogue No	Quantity, g	Pack qty
CM785B	500	1

M17 broth

Catalogue No	Quantity, g	Pack qty
CM817B	500	1

Media, MacConkey

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Differential media for the detection, isolation and enumeration of coliforms.

MacConkey agar
A differential medium for the detection, isolation and enumeration of coliforms and intestinal pathogens in water, dairy products and biological specimens.
Although principally used for coliforms, this medium may also be empployed for the differentiation of other enteric bacteria (including pathogens) and is suitable for the differentiation of *Pasteurella* species.

MacConkey agar (without salt)
This medium has the same formulation as MacConkey agar, except that it does not contain added salt and therefore provides a 'low electrolyte medium' on which most *Proteus* species do not spread. For this reason it is particularly useful for urine testing as overgrowth of other organisms is prevented.

MacConkey agar No. 2
A modification of the original MacConkey solid medium and is especially useful for the recognition of enterococci, in the presence of coliforms and non-lactose fermenters from water, sewage, food products, etc. Contains bile salts No. 2.

MacConkey agar No. 3
A more selective modification of MacConkey medium which is suitable for the detection and enumeration of coliform organisms and also for the detection and isolation of *Salmonella* and *Shigella* species occurring in pathological and food specimens. Due to the inclusion of a specially prepared fraction of bile salts in addition to crystal violet, the medium gives improved differentiation between coliforms and non-lactose fermenting organisms whilst Gram-positive cocci are completely inhibited.

MacConkey broth
The advantages of MacConkey broth in the presumptive coliform test are the low proportion of false positive reactions and the fact that most strains of *Escherichia coli* produce a positive reaction within 24 hours. Disadvantages, due to variability of the peptone and bile salts contained in the original medium, have been overcome by large scale production, pooling of batches and careful quality control - including titrimetric standardisation of the bile salts.
The neutral red is pre-tested for the absence of toxic substances before inclusion in the medium.

MacConkey broth (purple)
In this broth the neutral red dye is replaced by Bromocresol purple which is less inhibitory. Colour change is from purple to yellow. Each tablet produces 10mL of broth.

Sorbital MacConkey agar
A simple, inexpensive and rapid means of screening for *Escherichia coli* O157. In this formulation the lactose is replaced by sorbitol. *E. coli* O157 does not ferment sorbitol and produces colourless colonies, most strains ferment sorbitol and form pink colonies.

Sorbitol MacConkey agar (SMAC) with BCIG
SMAC with BCIG combines two different screening mechanisms for the detection of *Escherichia coli* O157, the failure to ferment sorbitol and the absence of β-glucuronidase activity. *E. coli* O157 will appear as straw coloured colonies, other organisms exhibit distinct blue-green colonies.

Media, MacConkey

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MUG reagent
MUG is cleaved by β-glucuronidase, a highly specific enzyme of *E. coli*, the product 4-methylumbelliferone fluorescing green/blue at 366nm.

Cefixime rhamnose sorbitol MacConkey agar (CR-SMAC agar base)
A selective, differential medium based on sorbitol MacConkey agar with added rhamnose and cefixime. This medium provides a selective base with improved differentiation of *Escherichia coli* O157. Cefixime supplement is required.

MacConkey agar (CM7)
A differential medium for the isolation of coliforms and intestinal pathogens in water, dairy products and biological specimens

Catalogue No	Quantity	Pack qty
CM007B	500g	1
CM007R	2.5kg	1

MacConkey agar (without salt)

Catalogue No	Quantity	Pack qty
CM507B	500g	1
CM507R	2.5kg	1

MacConkey agar No. 2

Catalogue No	Quantity, g	Pack qty
CM109B	500	1

MacConkey agar No. 3 (US formulation)

Catalogue No	Quantity, g	Pack qty
CM115B	500	1

MacConkey broth

Catalogue No	Quantity, g	Pack qty
CM005B	500	1

MacConkey broth purple (MacConkey broth (US formulation)) (CM5a)
A differential medium containing BCP for the detection of coliform organisms in water and milk examinations

Catalogue No	Quantity, g	Pack qty
CM505B	500	1

Sorbitol MacConkey agar

Catalogue No	Quantity, g	Pack qty
CM813B	500	1

Sorbitol MacConkey agar (SMAC) with BCIG

Catalogue No	Quantity, g	Pack qty
CM981B	500	1

Cefixime-Tellurite selective supplement, vial. A selective supplement for use with sorbital MacConkey agar for the isolation of *E. coli O*157. Each vial supplements 500mL of medium. Store at 2°C to 8°C

Catalogue No		Pack qty
SR172E		10

Cefixime-Tellurite selective supplement, vial. Each vial supplements 2L of medium. Store at 2°C to 8°C

Catalogue No		Pack qty
SR172H		10

Cefixime-Tellurite selective supplement, vial. Each vial supplements 9L of medium. Store at 2°C to 8°C

Catalogue No		Pack qty
SR172N		10

MUG reagent, vial. Each vial supplements 500mL of medium. Store at 2°C to 8°C

Catalogue No		Pack qty
BR071E		10

Cefixime rhamnose sorbitol MacConkey agar (CR-SMAC agar base)

Catalogue No	Quantity, g	Pack qty
CM1005B	500	1

Cefixime supplement, vial. Each vial supplements 0.025mg of media. Store at 2°C to 8°C

Catalogue No		Pack qty
OXSR0191E		10