

**MAC CONKEY BROTH EP**

Medium for the detection of *E.coli* in non sterile products,  
according harmonized method EP, USP, JP.

**TYPICAL FORMULA (g/L)**

Pancreatic digest of gelatine	20.00
Lactose monohydrate	10.00
Dehydrated ox bile	5.00
Bromocresol Purple	0.01

**DIRECTIONS**

Suspend 35 g in 1000 mL of cold distilled water, heat to dissolve, distribute into fermentation tubes and autoclave at 121 °C for 15 minutes.

Final pH 7.3 ± 0.2

**DESCRIPTION**

Mac Conkey Broth EP is used for detection of *E.coli* in non sterile products according harmonised method EP, USP, JP and it is conform to the EP specifications .

**TECHNIQUE**

For the detection of *E.coli* in non sterile pharmaceuticals products the technique recommended by European Pharmacopoeia should be followed:

Prepare a sample using a 1 in 10 dilution of not less than 1 g of the product to be examined and use 10 mL or the quantity corresponding to 1 g or 1 mL to inoculate the suitable amount of Tryptic Soy Broth. Mix and incubate at 30-35 °C for 18-24 h.

Shake the container, transfer 1 mL of Tryptic Soy Broth to 100 mL of Mac Conkey Broth EP and incubate at 42-44 °C for 24-48 h.

Subculture on a plate of Mac Conkey Agar at 30-35 °C for 18-72 h.

Growth of colonies indicates the possible presence of *E. coli*. This is confirmed by identification tests.

**USER QUALITY ASSURANCE**

For the Quality Control refer to EP current edition.

**STORAGE**

Dehydrated medium: 10-30 °C. Keep the bottle tightly closed away from bright light.

**PRECAUTION**

Consult the material safety data sheet before the use.

**PACKAGING****4016792****MacConkey Broth EP****500g (14.3 L)**