

Tryptone Soy Agar (ISO 9308-1)

For the detection and enumeration of *Escherichia coli* and coliform bacteria

Formula in grams per liter:

Casein Peptone
Sodium Chloride

15,00 | Soy Peptone
5,00 | Bacteriological Agar

5,00
15,00

Final pH: 7,2 ± 0,2 at 25 °C

Preparation:

Suspend 40,0 grams of the medium in one liter of distilled water. Mix well and heat agitating frequently till boiling. Distribute into appropriate containers and sterilize at 121 °C (15 lbs. sp.) for 15 minutes. Allow the medium to cool to 50°C and distribute in double layer plates, making the layers no less than 5 mm depth.

Uses:

This medium is used for the quick and standard test for the detection and count of coliform bacteria and *E. coli* by the membrane filtration method as directed in the ISO 9308-1:2.000 Regulation.

It has a general use, the two different peptones it contains allows to cultivate a great variety of microbes, even anaerobic bacteria when seeded in anaerobic conditions. It also serves as blood agar base as it does not contain any sugars, hemolytic reactions can be studied when blood is added

Microbiological Tests:

Microorganisms	Growth
<i>Klebsiella pneumonia</i> ATCC 13833	+
<i>Excherichia coli</i> ATCC 25922	+

