

# Nutrient Agar

Used for the enumeration of organisms in water, faeces and other materials

## Formula in grams per liter:

Gelatin Peptone  
Bacteriological Agar

5,00 | Beef Extract  
15,00

3,00

Final pH: 6,8 ± 0,2 at 25 °C

## Preparation:

Suspend 23 grams of the medium in one liter of distilled water. Mix well and leave to stand until the mixture is uniform. Heat with gentle agitation and boil for one or two minutes, or until completely dissolved. Dispense and sterilize at 121°C (15 lbs.sp) for 15 minutes.

## Uses:

For the cultivation of non fastidious microorganisms. Nutrient Agar is a general purpose medium, not selective but suitable for the cultivation of non fastidious microorganisms. It can be used as a colony count medium in sanitation, medical, and industrial bacteriology. There are many uses for Nutrient Agar in the bacteriological analysis of drinking water, waste water, milk and other foods. It is also used in the multiplication of microorganisms to produce vaccines and antigens in general; in the tests of sensitivity and resistance, and as a base to prepare an enriched medium by adding ascetic fluid, etc. It is used in biochemical test, for example indol decarboxylase and lysine decarboxylase.

## Microbiological Tests:

Microorganisms	Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good
<i>Escherichia coli</i> ATCC 25922	Good
<i>Salmonella typhimurium</i> ATCC 14028	Good
<i>Streptococcus pyogenes</i> ATCC 12344	Good
<i>Streptococcus pneumonia</i> ATCC 6301	Good

