

Nutrient Agar (D.E.V. Regulations)

To enumerate organisms in water, faeces and other materials

Formula in grams per liter:

Meat Peptone	10,00	Beef Extract	10,00
Sodium Chloride	5,00	Bacteriological Agar	18,00

Final pH: 7,3 ± 0,2 at 25 °C

Preparation:

Suspend 43,0 grams of the medium in one liter of distilled water. Mix well. Heat agitating frequently and boil for one or two minutes, or until completely dissolved. Dispense and sterilize at 121°C (15 lbs.sp) for 15 minutes. Cool to 45°C and pour into Petri dishes.

Uses:

Nutrient Agar is used for cultivating a wide variety of microorganisms.

The American Public Health Association (APHA) suggested this standard culture medium for use in bacterial processing for water analysis.

In Standard Methods of Water Analysis and Standard Methods of Milk Analysis, the APHA advocated the use of dehydrated media for bacterial examination of water and milk.

Microbiological Tests:

Microorganisms	Growth
<i>Escherichia coli</i> ATCC 25922	Satisfactory
<i>Salmonella typhimurium</i> ATCC 14024	Satisfactory
<i>Proteus vulgaris</i> ATCC 13315	Satisfactory
<i>Streptococcus faecalis</i> ATCC 11700	Satisfactory
<i>Klebsiella pneumonia</i> ATCC 13883	Satisfactory

