

TECHNICAL SHEET

PP018	Nutrient Agar Plate
Formula	
Ingredients:	gms/lit.
Peptic digest of animal tissue	5.00
Meat Extract B#	1.50
Yeast extract	1.50
Sodium chloride	5.00
Agar	15.00
# - Equivalent to Beef extract	
Final pH (at 25°C): 7.4± 0.2	
Directions:	
Label the ready to use plate (PP018). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.	
Principle:	
Nutrient Agar contains Peptic digest of animal tissue, beef extract and yeast extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria. Sodium chloride maintains the osmotic equilibrium of the medium. It can be used for the cultivation and enumeration of bacteria which are not particularly fastidious. Addition of different biological fluids such as horse or sheep blood, serum, egg yolk etc. makes it suitable for the cultivation of related fastidious organisms. This relatively simple formula has been retained and is still widely used in the microbiological examination of variety of materials and is also recommended by standard methods.	
(I) QC Tests	
pH:	7.4 ± 0.2
Color:	Light Amber coloured medium
Appearance:	Sterile Nutrient Agar in 90X15mm disposable plates.
(II) Sterility test	
Passes release criteria	
(III) Q.C. Test Microbiological	
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.	
MICROORGANISM (ATCC)	GROWTH
Escherichia coli 25922	Good-luxuriant
Staphylococcus aureus 25923	Good-luxuriant
Pseudomonas aeruginosa 27853	Good-luxuriant
Streptococcus pyogenes 19615	Good-luxuriant

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Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	A general-purpose medium used for cultivation of wide variety of microorganisms.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	10/20/50 disposable plates.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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