

Nutrient Agar

BC2008

A general purpose medium for the cultivation of non fastidious organisms. Nutrient Agar is suitable for teaching and demonstration purposes.

Formula - grams per litre

Peptone 5.0

Beef Extract 3.0

Sodium chloride 8.0

Bacteriological Agar 12.0

pH: 7.3 +/- 0.2

Appearance: Buff, opalescent gel.

Preparation

Suspend 28 grams of powder in 1 litre of deionised water. Allow to soak for 10 minutes, swirl to mix then sterilise by autoclaving for 15 minutes at 121°C. Cool to 47°C, mix well then pour plates.

Storage of Prepared Medium

Plates should be stored in the dark at 2-8°C. Plates should be used within 1 week. Capped containers should be stored in the dark at 15-20°C and used within 3 months.

Quality Control Organisms - Suggestions

<i>S. aureus</i>	ATCC 25923	
<i>E. coli</i>	ATCC 11775	

Directions for use

Inoculate surface streaking for single colonies. Incubate according to organism requirements.

Growth Characteristics

Organism	Colony size (mm)	Shape & Surface	Colour	Other
<i>Strep. Pyogenes</i>	p.p.-0.5	CV.E.G.	Transp.	
<i>E. coli</i>	1.5-2.5	CV.E.G.	Grey	
<i>Proteus spp.</i>	spreading		Grey	fishy odour
<i>Klebsiella spp.</i>	2.0-4.0	CV.E.G.	Grey	mucoid
<i>Bacillus spp.</i>	2.0-6.0	various	Grey	may spread
<i>Ps. aeruginosa</i>	2.0-4.0	F.CR.D.	Grey-Green	odour if pigmented