

# Dehydrated Culture Media



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## NUTRIENT AGAR

**Code:** CM0003 (Powder)

**Code:** CM0004 (Tablets)

*A general purpose medium which may be enriched with up to 10% blood or other biological fluid.*

Typical Formula *	gm/litre
`Lab-Lemco' powder	1.0
Yeast extract	2.0
Peptone	5.0
Sodium chloride	5.0
Agar	15.0
pH 7.4 ± 0.2 @ 25°C	

\* Adjusted as required to meet performance standards.

### Directions

**Powder:** Suspend 28g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilise by autoclaving at 121°C for 15 minutes.

**Tablets:** Add one tablet to 5ml of distilled water and soak for 5 minutes. Sterilise by autoclaving at 121°C for 15 minutes.

### Description

Nutrient Agar is a basic culture medium used to subculture organisms for maintenance purposes or to check the purity of subcultures from isolation plates prior to biochemical or serological tests.

In semi-solid form, agar slopes or agar butts, the medium is used to maintain control organisms<sup>1</sup>.

Nutrient Agar is suitable for teaching and demonstration purposes. It contains a concentration of 1.5% agar to permit the addition of up to 10% blood or other biological fluid, as required. The medium, without additions, may be used for the cultivation of organisms which are not exacting in their nutritional requirements.

For a medium which is richer in nutrients, see Blood Agar Base No.2 CM0271.

### Storage conditions and Shelf life

Store the dehydrated medium at 10-30°C and use before the expiry date on the label.

Store the prepared medium at 2-8°C.

### Appearance

Dehydrated medium: Straw coloured, free-flowing powder

Prepared medium: Straw coloured gel

### Quality control

#### Positive controls:

*Staphylococcus aureus* ATCC® 25923 \*

*Escherichia coli* ATCC® 25922 \*

#### Negative control:

Uninoculated medium

#### Expected results

Good growth; straw/white colonies

Good growth; straw colonies

No change

\* This organism is available as a Culti-Loop®

### Reference

1. Lapage S. P., Shelton J. E. and Mitchell T. G. (1970) `in *Methods in Microbiology*' Eds. Norris J. R. and Ribbons D. W. Vol.3A. Academic Press. London. p.116.

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