



Beef Extract Agar | AS-1134

Used as a general-purpose nutrient medium that is able to support the growth of non-fastidious bacteria.

To successfully cultivate a wide range of medically relevant microorganisms, culture media must closely mimic the conditions found within the human body. Beef Extract Agar is a versatile general-purpose medium that provides a suitable environment for the growth of both pathogens and commensals.

For the purpose of fermenting investigations and cultivating *Candida* species, Beef Extract Agar is recommended as a flexible medium. It contains carbon and nitrogen from the digestion of animal tissues and beef extract. Sodium chloride is also included as a source of electrolyte. This non-selective medium supports the growth of a variety of organisms important to medical research by simulating the physiological environment.

Composition (gr/L)

Enzymatic Digest of Animal Tissues	10
Beef Extract	3
Sodium Chloride	5
Agar	15
Final pH at 25°C	7.6 ± 0.2

Preparation

Dissolve 33 g of the powder into 1 L distilled water. Autoclave for 15 minutes at 121°C.

Quality Control

Dehydrated Appearance: Fine, homogeneous, creamy to yellow.

Prepared Appearance: Yellow color, clear to slightly opalescent.

Reaction of 3.3% Solution at 25°C: pH 7.6 ± 0.2

Microbial Test Results

For 18 to 24 hours, incubate at 35 ± 2°C.

Organism (ATCC)	Recovery
<i>Candida albicans</i> (10231)	Very Good
<i>Escherichia coli</i> (25922)	Very Good
<i>Pseudomonas aeruginosa</i> (27853)	Very Good

Storage

Keep the container at 15-30 °C and prepared medium at 2-8 °C.