

DEXTROSE AGAR

General purposes medium

Typical formula (g/l)

Beef Extract	3
Tryptose	10
Glucose	10
Sodium Chloride	5
Agar	15

DEXTROSE BROTH

General purposes liquid medium

Typical formula (g/l)

Beef Extract	3
Tryptose	10
Glucose	5
Sodium Chloride	5

Directions

Suspend 43g of Dextrose Agar or 23g of Dextrose Broth in 1000ml of cold distilled water, heat to boiling, distribute and autoclave at 121 °C for 15 minutes.

Final pH 7.2 ± 0.2

Description and technique

Dextrose Agar and Broth are general purposes media, used for the cultivation of a large variety of microorganisms, including fastidious types, such as streptococci, meningococci and pneumococci.

The glucose incorporated in the medium, being rapidly metabolised by many microorganisms, supports good microbial growth.

Dextrose Agar can be used as it is, with the addition of 5% of sterile defibrinated blood for the preparation of blood agar, or heated to 80 °C for the preparation of chocolate agar.

The medium is not suitable for demonstrating the haemolytic properties of microorganisms, due to the high glucose content. With the addition of 0.1% agar, Dextrose Broth supports a more rapid and luxuriant growth of pathogenic cocci (pneumococci, meningococci, etc.).

User quality assurance (37°C-24 h)

Productivity control

S.aureus ATCC 25923: growth

E.coli ATCC 25922: growth

Storage

Dehydrated media: 10-30°C

User prepared media: 1 month at 2-8°C

Packaging

4013852	Dextrose Agar,	500 g (11.6 l)
4013862	Dextrose Broth,	500 g (21.7 l)