

DEXTROSE BROTH

Medium for cultivation and maintaining of microorganisms.

TYPICAL FORMULA (g/l)

Beef Extract	3.0
Tryptose	10.0
Glucose	5.0
Sodium Chloride	5.0
Final pH = 7.2 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 23 g of powder in 1 liter of distilled or deionized water. Heat to boiling until complete dissolution.
Dispense into final tubes provided with Durham vial. Sterilize in autoclave at 121 °C for 15 minutes.

DESCRIPTION

DEXTROSE BROTH is used for cultivating a wide variety of fastidious microorganisms and for detecting gas from enteric bacilli.

TECHNIQUE

Inoculate the medium with the specimen using a sterile loop. Before incubating, overturn once the tubes to allow air to discharge, and incubate at 36 ± 1 °C for 18-48 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light tan.

Prepared medium

Appearance: clear without significant precipitate.

Color: light to medium amber.

Incubation conditions: 36 ± 1 °C for 18-48 hours.

Microorganism	ATCC	Growth	Gas Production
<i>Escherichia coli</i>	25922	good	+
<i>Neisseria meningitidis</i>	13090	good	-
<i>Staphylococcus aureus</i>	25923	good	-
<i>Streptococcus pyogenes</i>	19615	good	-

PERFORMANCE AND LIMITATIONS

Since the nutritional requirements of microorganisms vary, some strains can be encountered that fail to grow or grow poorly on this medium.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, tightly closed in its original container and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared tubes at 2-8 °C.








REFERENCES

- Vanderzant, C., and D.F. Splittstoesser (1992). Compendium of methods for microbiological examination, 3rd ed.
- MacFadding (1985). Media for isolation-cultivation-identification-maintenance of medical bacteria, vol. 1, p. 802-804.

PRESENTATION

Product	REF	Σ
DEXTROSE BROTH (21.7 l)	610161	500 g
DEXTROSE BROTH (4.3 l)	620161	100 g

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD In Vitro Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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