

Dextrose Broth

Medium used for the study of glucose fermentation

Formula in grams per liter:

Casein Peptone
Sodium Chloride

10,00 | Dextrose
5,00

5,00

Final pH: 7,3 ± 0,2 at 25 °C

Preparation:

Suspend 20 grams of the medium in one liter of distilled water. Mix well and heat slightly until completely dissolved. Dispense into tubes with Durham fermentation (gas collection) tubes. Sterilize at 118°C (12 lbs sp) for 15 minutes.

Uses:

This medium is used to cultivate fastidious microorganisms as well as to detect gas formation from enteric bacilli through the glucose fermentation

Microbiological Tests:

Microorganisms	Growth	Gas production
<i>Shigella flexneri</i> ATCC 12022	Satisfactory	-
<i>Escherichia coli</i> ATCC 25922	Satisfactory	+

