

Brucella Broth

Liquid medium for the cultivation of *Brucella* spp and other fastidious microorganisms.

TYPICAL FORMULA (g/l)

Enzymatic Digest of Casein	10.0
Enzymatic Digest of Animal Tissue	10.0
Yeast Extract	2.0
Sodium Chloride	5.0
Dextrose	1.0
Sodium Bisulfite	0.1
Final pH 7.0 ± 0.2	

DESCRIPTION

Brucella Broth is a liquid medium rich in nutrients and growth factors used for the cultivation of *Brucella* spp and other fastidious organisms such as *Campylobacter* spp, *Streptococcus* spp, *Neisseria* spp, etc.

PRINCIPLE

Enzymatic digest of casein and enzymatic digest of animal tissue provide nitrogen, vitamins, minerals and amino acids essential for microbial growth. Yeast extract is a source of vitamins, particularly of the B-group. Sodium chloride supplies essential electrolytes and keeps the osmotic balance of the medium. Dextrose is the fermentable carbohydrate providing carbon and energy. Sodium bisulfite is a reducing agent added to enhance growth.

TECHNIQUE

For cultivation of *Brucella* inoculate and incubate at 35 ± 2°C in duplicate for 24-72 hours. One tube under normal conditions and the other one under 5-10% CO₂. For cultivation of other fastidious organisms incubate at the required temperature in appropriate atmosphere.

INTERPRETATION OF RESULTS

Observe tubes turbidity comparing with an uninoculated control.

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. Isenberg H.D. (1992) Clinical microbiology handbook. American society for microbiology, (ed.), Washington, D.C.
2. Hausler W.J. (1976) Standard methods for the examination of dairy products, 14th ed. American Public Health Association, Washington, D.C.



PRODUCT SPECIFICATIONS

NAME

Brucella Broth

PRESENTATION

Glass tubes containing 10 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
24418	20 x 10 ml tubes	20 tubes in cardboard box

pH OF THE MEDIUM

7.0 ± 0.2

USE

Brucella Broth is a liquid medium rich in nutrients and growth factors used for the cultivation of *Brucella* spp and other fastidious organisms such as *Campylobacter* spp, *Streptococcus* spp, *Neisseria* spp, etc

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: slightly opalescent
Colour: clear amber

SHELF LIFE

1 year

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: ≤100 CFU
Incubation Conditions: 35 ± 2°C for 24-72 h in atmosphere containing 5-10% CO₂

Microorganism		Growth
<i>Bordetella bronchiseptica</i>	ATCC® 4617	Good
<i>Campylobacter jejuni</i>	ATCC® 33291	Good
<i>Streptococcus pyogenes</i>	ATCC® 19615	Good

TABLE OF SYMBOLS

 Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instruction for use	



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