

## ACID BROTH

Medium for the cultivation of acid tolerant microorganisms from canned foods.

### TYPICAL FORMULA (g/L)

Yeast Extract	8.0
Peptone	10.0
Saccharose	10.0
Final pH =4.0 ± 0.5 at 25°C	

### DESCRIPTION

**ACID BROTH** is a medium for the cultivation of acid tolerant microorganisms from canned foods.

### PRINCIPLE

Peptone provides the carbon and nitrogen for general growth requirements. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Saccharose is the carbohydrate source. Agar is the solidifying agent.

### PREPARATION

Suspend 28.0 g of powder in 1 litre of distilled or deionized water. Heat until completely dissolved. Sterilize in the autoclave at 121 °C for 15 minutes.

### TECHNIQUE

Inoculate the medium with the sample to examine. Incubate at 55 ± 1°C for 18-48 hours.

### INTERPRETATION OF RESULTS

Growth is evident in the form of turbidity.

### STORAGE

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

Store prepared media at 2-8°C.

### WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. It is nevertheless recommended that the Safety Data Sheet be consulted on its correct use. The product must be used only by properly trained operators.

### DISPOSAL of WASTE

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

### REFERENCES

1. Association of Official Analytical Chemists. 1990. Official Methods of Analysis, 15th ed. AOAC, Arlington, VA.
2. Vosti, D.C., H.H. Hernandez, and J.G. Strand. 1961. Analysis of headspace gases in canned foods by gas chromatography. Food Technol. 15:29-31.
3. Landry, W.I., J.E. Gilchrist, S. McLaughlin, and J.T. Peeler 1988. Analysis of abnormal canned foods. AOAC Abstracts.



## Liofilchem s.r.l.

Via Scozia, Zona industriale - 64026 Roseto degli Abruzzi (Te) Italy - Tel. +39.0858930745 - Fax +39.0858930330  
Web site: <http://www.liofilchem.net> - E-mail: [liofilchem@liofilchem.net](mailto:liofilchem@liofilchem.net)

## PRODUCT SPECIFICATIONS

### NAME

**ACID BROTH**

### PRESENTATION

Dehydrated culture medium

### STORAGE

10-30°C

### PACKAGING

Code	Content	Packaging
610347	500 g	500 g of powder in plastic bottle
620347	100 g	100 g of powder in plastic bottle

### pH OF THE MEDIUM

4.0 ± 0.5

### USE

**ACID BROTH** is a medium for the cultivation of acid tolerant microorganisms from canned foods.

### TECHNIQUE

Refer to technical sheet of the product.

### APPEARANCE of the MEDIUM

#### Dehydrated medium

Appearance: free-flowing, homogeneous.

Colour: light-tan.

#### Prepared medium

Appearance: clear.

Colour: light amber.

### SHELF LIFE










4 years

### QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control  
7 days at 25 ± 1°C, in aerobiosis  
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control  
Inoculum for productivity: 100-1000 UFC/ml  
Inoculate and incubate plates at 55 ± 1°C for 18-48 hours.

Microorganism	ATCC	Growth
<i>Bacillus coagulans</i>	7050	good

### TABLE OF SYMBOLS

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



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