

CASO BROTH (Double Concentration)

General purpose medium for the cultivation of bacteria and fungi, according to EP, USP, JP, BP.

TYPICAL FORMULA*	(g/l)
Casein Peptone	35.0
Soy Peptone	6.0
Sodium Chloride	10.0
Glucose	5.0
Potassium Phosphate Dibasic	5.0
Final pH	7.3 ± 0.2

* CASO BROTH (Double Concentration) has to be used adding to the medium an equal volume of the sample to be examined. Dilute 1:1 (v:v) with the sample to achieve the final concentration.

DESCRIPTION

CASO BROTH (Double Concentration) is a nutritious medium that supports the growth of a wide variety of microorganisms. At the final concentration this medium conforms to formulation detailed in the European, United States, Japanese and British pharmacopeias.

PRINCIPLE

Casein peptone and soy peptone are sources of peptides and free amino acids. Glucose is a energy source easy to use by microorganisms. Sodium chloride maintains the osmotic balance of the medium. Dibasic potassium phosphate acts as buffer to pH control.

PREPARATION

Verify that the contents of the bottle is homogeneous and clear, possibly inverting the bottle several times.

TECHNIQUE

1. Bring the necessary bottles of CASO BROTH (Double Concentration) to room temperature or, preferably at 36±1°C.
2. Aseptically, open the bottles just before inoculation. Bottles open, closed and not used within a few hours should be discarded.
3. Inoculate introducing 10 ml sample into the bottle.
4. Close immediately the bottle.
5. Incubate at 36 ± 1°C for 18-24 hours.

INTERPRETATION OF RESULTS

Turbidity indicates microbial growth in the medium.

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 *in vitro* diagnostic use and must be used only 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. US Pharmacopoeia 30 (2008).
2. Compendium of Methods for the Microbiological Examination of Foods. 4th edition. Vanderzant C. and Splittstoesser D.F. (eds). APHA. Washington DC.
3. Practical Food Microbiology. Roberts D., Hooper W and Greenwood M. (Eds). Public Health Laboratory Service, London (1995).
4. British Pharmacopoeia (2004).
5. European Pharmacopoeia 6.1 (2008).
6. Japanese Pharmacopoeia 15th Edition (2006).



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME

CASO BROTH (Double Concentration)

PRESENTATION

Glass tubes containing 10 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
24459	20 tubes x 10 ml	20 tubes in cardboard box

pH OF THE MEDIUM

7.3 ± 0.2

USE

CASO BROTH (Double Concentration) is a nutritious medium that supports the growth of a wide variety of microorganisms. At the final concentration this medium conforms to formulation detailed in the European, United States, Japanese and British pharmacopeias

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Light amber medium, clear without precipitates

SHELF LIFE

2 years

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: 10-100 CFU/ml
Incubation Conditions: 18-48 h at, 35 ± 2°C for fungi and bacteria and 56 ± 2°C for *G. stearothermophilus*

Microorganism		Growth
<i>Bacillus subtilis</i>	ATCC® 6633	Good
<i>Candida albicans</i>	ATCC® 10231	Good
<i>Aspergillus niger</i>	ATCC® 16404	Good
<i>Geobacillus stearothermophilus</i>	ATCC® 7953	Good

TABLE OF SYMBOLS

 LOT	Batch code	 IVD	<i>In vitro</i> Diagnostic Medical Device		Manufacturer		Use by		Fragile, handle with care
 REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests		Caution, see instructions for use		Do not reuse



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net

