

## Serum Broth

Liquid medium for cultivation of a broad range of bacteria from clinical specimens and other materials.

TYPICAL FORMULA	(g/l)
Peptone	5.0
Meat Extract	1.5
Yeast Extract	1.5
Sodium Chloride	5.0
Horse Serum	100 ml
Final pH 6.8 ± 0.2	

### DESCRIPTION

Serum Broth is a liquid medium used for the cultivation of a broad range of bacteria including more fastidious organisms as well.

### PRINCIPLE

Peptone and meat extract provide carbon, nitrogen, vitamins and minerals. Yeast extract is a source of vitamins, particularly of B-group. Sodium chloride maintains the osmotic balance of the medium. 10% horse serum is added to the medium to supply nutritional requirements of most fastidious organisms.

### TECHNIQUE

Inoculate the medium with the sample. Incubation conditions may vary depending on the organism under investigation.

### INTERPRETATION OF RESULTS

Turbidity indicates microbial growth.

Subculture to appropriate selective agar plate.

### STORAGE AND TRANSPORT CONDITIONS

2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, does not alter in any way the performance of the product. Eliminate if 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 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. Marshall, R.T. (1993) Standard methods for the microbiological examination of dairy products, 16<sup>th</sup> ed.



## PRODUCT SPECIFICATIONS

### NAME

Serum Broth

### PRESENTATION

Glass tubes containing 10 ml of medium

### STORAGE

2-8°C

### PACKAGING

Ref.	Content	Packaging
24125	20 x 10 ml tubes	20 tubes in cardboard box

### pH OF THE MEDIUM

6.8 ± 0.2

### USE

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### TECHNIQUE

Refer to technical sheet of the product

### APPEARANCE OF THE MEDIUM

Appearance: clear to slightly opalescent  
Colour: light amber

### SHELF LIFE

1 year











### QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control  
7 days at 22 ± 2°C, in aerobiosis  
7 days at 35 ± 2°C, in aerobiosis
- Microbiological control  
Inoculum for productivity: ≤100 CFU  
Incubation Conditions: 35 ± 2°C for 18-24 h

#### Microorganism

Microorganism	ATCC®	Growth
<i>Escherichia coli</i>	ATCC® 25922	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	Good
<i>Streptococcus pyogenes</i>	ATCC® 19615	Good
<i>Streptococcus pneumoniae</i>	ATCC® 6305	Good

### TABLE OF SYMBOLS

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



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