

mikrobiologie labor technik

Bulion Nutritiv

PRINCIPIU

Mediu pentru creșterea bacteriilor nepretențioase.

FORMULA TIPICĂ

| Componente | g/l |
|--|-----|
| Extract de carne de vită | 1.0 |
| Extract de drojdie | 2.0 |
| Peptonă | 5.0 |
| Clorură de sodiu | 5.0 |
| pH final 6.8 ± 0.2 la 25°C | |

METODA

Se suspendă 13 g de mediu într-un litru de apă purificată. Se încălzește până la dizolvarea completă. Se sterilizează prin autoclavare la 121°C timp de 15 minute. Se toarnă în tuburi.

DESCRIERE

Este un mediu pentru creșterea bacteriilor nepretențioase. Este formulat în conformitate cu American Public Health Association in Standard Methods for the Examination of Water and Sewage and Standard Methods for the Examination of Dairy Products.

TEHNICA

Se însămânțează bulionul cu proba folosind un tampon. Se incubează timp de 18-24 de ore la $36 \pm 1^{\circ}\text{C}$. Opacitatea indică o creștere.

Ca un mediu preîmbogățit, atunci când se testează anumite alimente și produse lactate pentru *Salmonella*, se consultă referințele pentru recomandările specifice:

- se amestecă 25 g de probă cu 225 ml bulion nutritiv.
- se incubează timp de 18-24 de ore la $36 \pm 1^{\circ}\text{C}$.
- se transferă o parte într-un bulion de îmbogățire selectiv.

BIBLIOGRAFIE

1. American Public Health Association. 1923. Standard methods of water analysis, 5th ed.
2. Association of Official Analytical Chemists. 1995. Official methods of analysis of AOAC International, 16th ed.
3. Marshall, R.T. (ed.). 1993. Standard methods for the microbiological examination of dairy products, 16th ed.

AMBALARE

Mediul deshidratat

(A se păstra între $1-30^{\circ}\text{C}$)

140178A: Flacon de 500 g

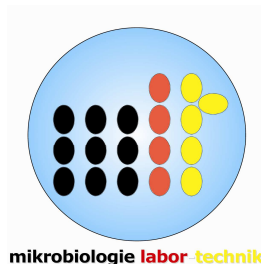
140178L: Flacon de 500 g

Mediul gata preparat

(A se păstra între $2-8^{\circ}\text{C}$)

120205: Cutie cu 32 de tuburi de 7 ml

130205 : Cutie cu 3 sticle de 200 ml



Nutrient Broth

PRINCIPLE

Medium for non fastidious bacteria growth.

FORMULA

| Components | g/l |
|--|-----|
| Beef Extract | 1.0 |
| Yeast Extract | 2.0 |
| Peptone | 5.0 |
| Sodium Chloride | 5.0 |
| Final pH = 6.8 ± 0.2 at 25°C | |

DIRECTIONS

Suspend 13 g of powder in 1 liter of distilled or deionized water. Dissolve completely. Dispense into final tubes. Sterilize in autoclave at 121°C for 15 minutes.

DESCRIPTION

Is a general purpose medium used for the cultivation of those microorganisms that are not exacting on their food requirements. It is the formula as specified by the American Public Health Association in Standard Methods for the Examination of Water and Sewage and Standard Methods for the Examination of Dairy Products.

TECHNIQUE

Inoculate the broth with specimen on a swab. Incubate for 18-24 hours at $36 \pm 1^{\circ}\text{C}$. Turbidity indicates growth. As a

preenrichment medium when testing certain foods and dairy products for Salmonella, consult appropriate references for specific recommendations:

- Mix 25 g of sample with 225 ml of Nutrient Broth.
- Incubate for 18-24 hours at $36 \pm 1^{\circ}\text{C}$.
- Transfer a portion to a selective enrichment broth.

REFERENCES

1. American Public Health Association. 1923. Standard methods of water analysis, 5th ed.
2. Association of Official Analytical Chemists. 1995. Official methods of analysis of AOAC International, 16th ed.
3. Marshall, R.T. (ed.). 1993. Standard methods for the microbiological examination of dairy products, 16th ed.

PACKAGING

Dehydrated medium

(Store between 1 and 30°C)

140178A: Flask of 500 g

140178L: Flask of 500 g

Ready to use medium

(Store between 2 and 8°C)

120205: Pack of 32 tubes of 7 ml

130205: Pack of 3 flasks of 200 ml