

Azide Dextrose Broth

Liquid medium for the detection of enterococci in water, sewage, food and other materials.

TYPICAL FORMULA	(g/l)
Peptone Mix	15.0
Meat Extract	4.5
Dextrose	7.5
Sodium Chloride	7.5
Sodium Azide	0.2
Final pH 7.2 ± 0.2	

DESCRIPTION

Azide Dextrose Broth is a liquid medium used for the detection and enumeration of enterococci in materials of sanitary significance as an indication of fecal contamination.

PRINCIPLE

Peptone mix and meat extract are sources of carbon, nitrogen, vitamins and minerals. Dextrose is the fermentable carbohydrate. Sodium chloride maintains the osmotic balance of the medium. Sodium azide inhibits Gram-negative bacteria.

TECHNIQUE

Inoculate tubes with a suitable amount of the test sample. For samples of 10 ml or more, use double strength broth (ref. 24414). The enumeration of enterococci is carried out in tubes, according to the most probable number (MPN) method. Incubate at 37°C for 18-48 hours.

INTERPRETATION OF RESULTS

Turbidity indicates microbial growth. Calculate the most probable presumptive number by using the appropriate tables.

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. Roth (1948) Illinois State Health Department.
2. Eaton, Rice and Baird (2005) Standard methods for the examination of water and wastewater, 21st ed., online. American Public Health Association, Washington, D.C.



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PRODUCT SPECIFICATIONS

NAME

Azide Dextrose Broth

PRESENTATION

Glass tubes containing 10 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
24114	20 x 10 ml tubes	20 tubes in cardboard box
26114	100 x 10 ml tubes	100 tubes in cardboard box

pH OF THE MEDIUM

7.2 ± 0.2

USE

Azide Dextrose Broth is a liquid medium used for the detection and enumeration of enterococci in materials of sanitary significance as an indication of fecal contamination

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: clear to very slightly opalescent
Colour: light amber

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: ≤100 CFU
Inoculum for selectivity: >1000 CFU
Incubation Conditions: 35 ± 2°C for 18-24 h










Microorganism

Enterococcus faecalis ATCC® 19433
Escherichia coli ATCC® 25922

Growth

Good
Inhibited

TABLE OF SYMBOLS

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



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