

# Azide Dextrose Broth (double concentration)

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

TYPICAL FORMULA	(g/l)
Peptone Mix	30.0
Meat Extract	9.0
Dextrose	15.0
Sodium Chloride	15.0
Sodium Azide	0.4
Final pH 7.2 ± 0.2	

#### DESCRIPTION

Azide Dextrose Broth (double concentration) 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 10 ml test sample. Incubate at 37°C for 18-48 hours.

### INTERPRETATION OF RESULTS

Turbidity indicates microbial growth.

#### 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

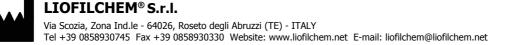
The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and 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, 21<sup>st</sup> ed., online. American Public Health Association, Washington, D.C.





# PRODUCT SP

## NAME

Azide Dextrose Broth (double concentration)

## PRESENTATION

Glass tubes containing 10 ml of medium

## STORAGE

10-25°C

## PACKAGING

Ref.	Content	Packaging
21114	10 x 10 ml tubes	10 tubes in cardboard box
24414	20 x 10 ml tubes	20 tubes in cardboard box
26414	100 x 10 ml tubes	100 tubes in cardboard box

# pH OF THE MEDIUM

 $7.2 \pm 0.2$ 

### USE

Azide Dextrose Broth (double concentration) 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: very slightly to slightly opalescent Colour: amber

# SHELFLIFE

2 years

## QUALITY CONTROL

1. 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

## Growth

Enterococcus faecalis	ATCC® 19433	Good
Escherichia coli	ATCC® 25922	Inhibited

## TABLE OF SYMBOLS

