

PLATE COUNT AGAR W/O DEXTROSE

Enumeration of microorganisms in water acc. to ISO 6222.

TYPICAL FORMULA (g/L)

Tryptone	6.0
Yeast Extract	3.0
Agar	15.0
Final pH=7.2 ± 0.2	

DESCRIPTION

PLATE COUNT AGAR W/O dextrose is a non selective medium for the enumeration of aerobic microorganisms from water, to the analysis of water destined for human consumption, acc. to ISO 6222.

PRINCIPLE

Tryptone provides amino acids and proteins. Yeast extract is a source of aminoacids and vitamins of group B. Agar is the solidifying agent.

PREPARATION

Suspend 23,5 g of powder in 1 litre of distilled or deionized water. Heat to boiling until completely dissolved. Sterilise at 121°C for 15 minutes. Dispense in final containers.

TECHNIQUE

Prepare serial tenfold dilutions of test material. Add 1 ml of test samples to a sterile Petri dish. Incubate at 32 ± 1 °C for 48 hours

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 is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. APHA (1985). Standard Methods for the Examination of Water and Wastewater, 16th edition.
2. ISO 4833: 2003. Microbiology- General Guidance for the enumeration of micro-organisms. Colony count technique at 30 °C.



PRODUCT SPECIFICATIONS

NAME

PLATE COUNT AGAR W/O DEXTROSE

PRESENTATION

Dehydrated culture medium

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared media at 2-8 °C.

PACKAGING

Code	Content	Packaging
610620	500 g	500 g of powder in plastic bottle

pH OF THE MEDIUM

7.2 ± 0.2

USE

PLATE COUNT AGAR W/O DEXTROSE is a non selective medium for the enumeration of aerobic microorganisms from water, to the analysis of water destined for human consumption acc. to ISO 6222.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Light tan, free-flowing, homogeneous.

SHELF LIFE







4 years

QUALITY CONTROL

- Control of general characteristics, label and print.
- Microbiological control:
 Inoculum for productivity: 10-100 UFC/ml.
 Inoculum for selectivity: 10⁴-10⁵ UFC/ml.
 Inoculum for specificity: ≤ 10⁴ UFC/ml.
 Incubation conditions: 18-48 h at 36 ± 1°C.

Microorganism		Growth
<i>Escherichia coli</i>	ATCC 259221	Good
<i>Staphylococcus aureus</i>	ATCC 25923	Good
<i>Bacillus subtilis</i>	ATCC 6633	Good

TABLE OF SYMBOLS

LOT Batch code	 Temperature limitation	 Manufacturer	 Contains sufficient for <n> tests
REF Catalogue number	 Keep away from heat	 Use by	 Caution, consult accompanying documents

