

Marine Salt Agar

Medium for the growth of marine bacteria.

TYPICAL FORMULA	(g/l)
Enzymatic Digest of Casein	2.5
Potato Starch	10.0
Yeast Extract	2.5
Dextrose	5.0
Marine Salt	19.0
Calcium Carbonate	2.0
Agar	15.0
Final pH 6.5 ± 0.2	

DESCRIPTION

Marine Salt Agar is used for the isolation and cultivation of heterotrophic marine bacteria.

PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon, vitamins and minerals. Starch is an energy source for those organisms which produce the enzyme amylase. Yeast extract is a source of vitamins, particularly of B-group. Dextrose is the fermentable carbohydrate. Marine salt serves to replicate the saltwater marine environment. Calcium carbonate serves as pH indicator as it precipitates in case of acid production forming a clear zone around colonies. Agar is the solidifying agent

TECHNIQUE

Inoculate the medium by spreading plate method. Incubate at 20-25°C for 24-72 hours under aerobic atmosphere.

INTERPRETATION OF RESULTS

Observe for the growth of colonies.

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 professional use and must be used only 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. Weiner, R.M., A.M. Segall, and R.R. Colwell (1985) Appl. Environ. Microbiol. 49:83.
2. Buck, J.D., and R.C. Cleverdon (1960) The spread plate as a method for the enumeration of marine bacteria. Limnol. Oceanogr. 5:78.
3. ZoBell, C.E. (1941) Studies on Marine Bacteria. I. The cultural requirements of heterotrophic aerobes. J.Mar.Res. 4:42-75.



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PRODUCT SPECIFICATIONS

NAME

Marine Salt Agar

PRESENTATION

Ready to use plates (90 mm) containing 22 ± 1 ml of medium

STORAGE

2-8°C

PACKAGING

Ref.	Content	Packaging
10426	20 plates	<ul style="list-style-type: none"> • 10 plates in thermally soldered film • 2 x 10 plates in cardboard box

pH OF THE MEDIUM

6.5 ± 0.2

USE

Marine Salt Agar is used for the isolation and cultivation of heterotrophic marine bacteria

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Light opalescent to opalescent, light amber

SHELF LIFE

6 months

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control
7 days at $22 \pm 2^\circ\text{C}$, in aerobiosis
7 days at $35 \pm 2^\circ\text{C}$, in aerobiosis
3. Microbiological control
Inoculum for productivity: 50-100 CFU
Incubation Conditions: 24-72 hours at $20-25^\circ\text{C}$, in aerobiosis

Microorganism








Vibrio fischeri
Vibrio harvey

ATCC® 7744
ATCC® 14126

Growth

Good
Good

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 instructions for use	



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