CHROMATIC ENTEROCOCCUS

Chromogenic medium for the detection of enterococci directly from foodstuffs, environmental samples and clinical specimens.

TYPICAL FORMULA	(g/l)
Peptone Mix	30.0
Selective Mix	10.0
Chromogenic Mix	1.0
Agar	15.0
Final pH 7.0 ± 0.2	

DESCRIPTION

CHROMATIC ENTEROCOCCUS is a chromogenic medium for the detection of enterococci directly from foodstuffs, environmental samples and clinical specimens. Enterococci are Gram-positive cocci presenting as harmless commensal to multifaceted deadly pathogens. The most frequent infections caused by them are urinary infections followed by wound infections and blood stream infections. Most clinical infections are due to either *E. faecalis* or *E. faecium* and although in bacteraemia cases the predominance of *E. faecium* has been observed, *E. faecalis* is the most common isolate clinically. The CHROMATIC ENTEROCOCCUS medium allows an early enterococci detection distinguishing the two predominant strains from the contaminant bacteria.

PRINCIPLE

Peptone mix is a source of amino acids, nitrogen, minerals, vitamins, and other factors which increases the growth of bacteria. The chromogenic and selective mix facilitate the identification of bacteria on the basis of the colony color, inhibiting most of the contaminant bacteria. Agar is the solidifying agent.

TECHNIQUE

Inoculate a CHROMATIC ENTEROCOCCUS plate streaking directly the sample onto the medium surface or using a sterile loop previously dipped in liquid suspension of the sample.
Incubate for 18-24h at 37°C.

INTERPRETATION OF RESULTS

At the end of incubation, observe the appearance of the colonies and interpret the results as indicated in table 1.

Table 1.

Microorganisms	Growth	Typical appearance of the colonies
Enterococcus faecalis	Good	Purple-mauve Colonies
Enterococcus faecium	Good	Blue-green Colonies
Contaminant bacteria	Inhibited	---

STORAGE

Store CHROMATIC ENTEROCOCCUS plates at 6-12°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 CHROMATIC ENTEROCOCCUS 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 *In vitro* diagnostic 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

- Sood S, Malhotra M, Das BK, Kapil A. (2008) Enterococcal infections & antimicrobial resistance. Indian J Med Res;128(2):111-21.

PRODUCT SPECIFICATIONS

NAME
CHROMATIC ENTEROCOCCUS

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

STORAGE
6-12°C

PACKAGING

Ref.	Content	Packaging
11627	20 plates	• 10 plates in thermally soldered film • 2 x 10 plates in cardboard box

pH OF THE MEDIUM
7.0 ± 0.2

USE
CHROMATIC ENTEROCOCCUS is a chromogenic medium for the detection of enterococci directly from foodstuffs, environmental samples and clinical specimens

TECHNIQUE
Refer to product technical sheet

APPEARANCE OF THE MEDIUM
Appearance: pale, semi-opaque
Colour: whitish

SHELFLIFE
120 days

QUALITY CONTROL
1. Control of general characteristics, label and print

2. Sterility control
   7 days at 22 ± 2°C
   7 days at 35 ± 2°C

3. Microbiological control
   Plates are inoculated with the following microbial strains:

Microorganims	Growth	Colonies Colour
Enterococcus faecalis ATCC 29212	Good	Purple-mauve
Enterococcus faecium ATCC 19434	Good	Blue-green
Escherichia coli ATCC 25922	Inhibited	---

Inoculum for productivity: 10-100 UFC/ml
Incubation Conditions: 18-24 h at 35 ± 2°C, in aerobiosis

TABLE OF SYMBOLS

LOT Batch code	**IVD** *In vitro* Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult accompanying documents	Do not reuse
Keep away from light				

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CE IVD