

## Specification

Nutrient rich medium suitable for the isolation of pathogenic microorganisms from clinical specimens, and ISO standard.

## Presentation

20 Prepared Plates  
90 mm  
with: 21 ± 2 ml

### Packaging Details

1 box with 2 packs of 10 plates/pack. Single cellophane.

### Shelf Life

2,5 months

### Storage

2-14 °C

## Composition

Composition (g/l);

Casein pancreatic digest.....	10.0
Meat peptic digest.....	5.00
Heart Pancreatic digest.....	3.00
Yeast Extract.....	5.00
Sodium chloride.....	5.00
Starch.....	1.00
Agar.....	15.0
Defibrinated Sheep blood.....	50.0 ml

## Description /Technique

Collect, dilute and prepare samples as required.

Spread the sample onto the plate by streaking methodology or by spiral method. Incubate the plates in inverted position in a 5% carbon dioxide enriched aerobic atmosphere at 37°C ±1,0 e for 24-48 hours. Preferably, spread with the same sample other non-enriched or non-selective media, previously defined by the laboratory, to have better and comparative results.

Different animal blood source, greater incubation times, humidity or larger percentage of carbon dioxide in atmosphere,... may be required depending on the sample, on the specifications of the laboratory, the expected isolations to be found.

Each laboratory must evaluate and report results carefully; this highly nutritive medium allows recovery of a wide variety of fastidious microorganisms.

The lack of selective supplementation of the medium does not enable the suppression of the accompanying flora.

Consider both hemolysis reactions and colony appearance as well as the results obtained from other culture media, as keys for microbiological identification (Calculate total microbial counts considering, if applied to the samples, the inverted dilution factors).

## Quality control

### Physical/Chemical control

Color : Red

pH: 7.2 ± 0.2 at 25°C

### Microbiological control

Inoculate: Practical range 100 ± 20 CFU. min. 50 CFU (productivity)/ 10<sup>4</sup>-10<sup>6</sup> (selectivity).

5-10% CO<sub>2</sub> atmosphere. Incubation at 37 ±1 °C during 48 ± 2 h.

### Microorganism

*Enterococcus faecalis* ATCC® 19433

*Streptococcus pneumoniae* ATCC® 49619

*Streptococcus pyogenes* ATCC® 19615

*Streptococcus agalactiae* ATCC® 12386

*Campylobacter jejuni* ATCC® 29428 (41,5°C±1°C)

*Escherichia coli* ATCC® 8739, WDCM 00012

*Staphylococcus aureus* ATCC® 6538, WDCM 00032

*Acinetobacter baumannii* ATCC® 19606

### Sterility Control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

### Growth

Good (≥ 70 %) - Gamma haemolysis- Without halo

Good (≥ 70 %) - Alpha haemolysis- Greenish halo

Good (≥ 70 %) - Beta-haemolysus- Clear halo

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**Bibliography**

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- ISO 10272-2 Standard (2017) Microbiology of the food chain - Horizontal Method for detection and enumeration of Campylobacter spp. - Part 2: Colony count-technique.
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