

## CHROMATIC STREP B

Selective and differential medium for isolation of Group B streptococci.

### TYPICAL FORMULA (g/L)

Heart Extract	4.0
Yeast Extract	10.0
Casein Peptone Plus	2.5
Soy Peptone	3.5
Chromogenic selective mix	2.225
Agar	15.0
Final pH 7.2 ± 0.2	

### DESCRIPTION

**CHROMATIC STREP B** is a selective and differential medium for isolation of Group B streptococci.

### PRINCIPLE

Peptones are products of controlled enzymatic hydrolysis of casein and together with heart extract provide peptides and free amino acids. Yeast extract is a source of amino acids and vitamins of group B. The chromogenic selective mix allows the inhibition of Gram-negative and Gram-positive microorganisms except *S. agalactiae*, and its differentiation respect other streptococci. Agar is the solidifying agent.

### PREPARATION

Suspend 37,225 g in 1 litre of distilled water. Heat until completely dissolved. Autoclave at 100°C for 5 minutes. Dispense into Petri dishes.

### TECHNIQUE

Inoculate the plates by streaking the specimen onto the medium surface, using a sterile loop. Incubate at: 36±1°C for 24-48 hours.

### INTERPRETATION of RESULTS

*Streptococcus agalactiae* shows bright blue-green colonies, with white centre. *Enterococcus faecalis* shows mauve colonies.

### STORAGE

10-30°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 cannot be classified as hazardous under current legislation nor does it contain harmful substances in concentrations ≥1%. 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 national and local regulations in force.

### REFERENCES

1. Murray P.R. Manual of Clinical Microbiology 7<sup>th</sup> ed. 2005, p. 64-67. ASM Press, Washington D.C.
2. Finegold S. M. Diagnostic Microbiology 7th ed. 1986, p. 205-224. Published C.V. Mosby Co. St. Louis.
3. Dunne W.M. Comparison of selective broth medium plus neomycin- nalidixic acid agar and selective broth medium plus Columbia colistin- nalidixic acid agar for detection of group B streptococcal colonization in women. Journal of clinical microbiology. 11/1999; 37(11): 3705-6. ISSN: 0095-1137.



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## PRODUCT SPECIFICATIONS

### NAME

**CHROMATIC STREP B**

### PRESENTATION

Dehydrated medium.

### PACKGING

Code	Content	Packaging
610617	500 g	500 g of powder in plastic bottle
620617	100 g	100 g of powder in plastic bottle

### pH OF THE MEDIUM

7.2 ± 0.2

### USE

**CHROMATIC STREP B** is a selective and differential medium for isolation of Group B streptococci.

### TECHNIQUE

Refer to technical sheet of the product.

### APPEARANCE OF THE MEDIUM

Free-flowing, homogeneous powder, beige in color.  
Light amber medium, slightly opalescent.

### SHELFLIFE









4 years

### QUALITY CONTROL

- Control of general characteristics, label and print.
- Microbiological control:  
Inoculum for productivity: 10-100 UFC/ml.  
Inoculum for selectivity: 10<sup>4</sup>-10<sup>5</sup> UFC/ml.  
Inoculum for specificity: ≤ 10<sup>4</sup> UFC/ml.  
Incubation conditions: 18-24 h at 36 ± 1°C.

Microorganism		Growth	Colonies
<i>Streptococcus agalactiae</i>	ATCC 13813	Good	Green
<i>Staphylococcus aureus</i>	ATCC 25923	Good	White
<i>Escherichia coli</i>	ATCC 25922	Inhibited	
<i>Enterococcus faecalis</i>	ATCC 19433	Good	Mauve
<i>Proteus mirabilis</i>	ATCC 25933	Inhibited	

### TABLE OF SYMBOLS

 <i>In vitro</i> diagnostic medical device	 Batch code	 Manufacturer	 Contains sufficient for <n> tests
 Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



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