

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 7th 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.

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: 18-24 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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