

ProductInformation

CARY-BLAIR MEDIUM

Product Number **C8720**

Product Description

Cary-Blair Medium (Transport Medium without Charcoal) is recommended for collection and shipment of clinical specimens. Cary-Blair Medium without charcoal is prepared with minimal nutrients to increase the survival of the organisms without multiplying. Sodium thioglycollate is incorporated in the medium to provide a low oxidation-reduction potential. The pH of the medium is alkaline which minimizes the bacterial destruction due to the formation of acid. This medium maintains viability of fastidious microorganisms for only a short period of time.

Components

Item	g/L
Sodium Phosphate	1.10
Sodium Thioglycollate	1.50
Sodium Chloride	5.00
Agar	5.00

Final pH (at 25°C) 8.4 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 12.6 grams in 991 mls of distilled water. Boil to dissolve the medium completely. Cool to 50°C. Aseptically add 9 mls of a 1% aqueous solution of (C5080) calcium chloride solution. Adjust pH to 8.4 if necessary. Distribute 7 mls into screw capped tubes. Steam for 15 minutes. Cool and tighten the caps.

Storage

Store the dehydrated medium at 24°C and prepared medium at -2-8°C.

Product Profile

Appearance	Yellowish, white colored, homogeneous, free flowing powder.
Gelling	Semisolid.
Color and Clarity	Light amber colored, slightly opalescent solution.
Cultural Response	Cultural characteristics are observed after 18-24 hours at 35°C when subcultured on Tryptone Soya Agar.

Organisms	(ATCC)	Growth
<i>Enterobacter aerogenes</i>	(13048)	good-luxuriant
<i>Escherichia coli</i>	(25922)	good-luxuriant
<i>Klebsiella pneumoniae</i>	(13883)	good-luxuriant
<i>Salmonella typhimurium</i>	(14028)	good-luxuriant
<i>Shigella flexneri</i>	(12022)	good-luxuriant
<i>Vibrio cholerae</i>	(15748)	good-luxuriant
<i>Vibrio parahaemolyticus</i>	(11344)	good-luxuriant
<i>Neisseria meningitidis</i>	(13090)	good-luxuriant

References

1. Cary and Blair, 1964, J.Bacteriol. 88:96.
2. Morris and Heck, 1978, J.Clin. Microbiol., 8:616
3. American Type Culture Collection, Manassas, Va., U.S.A.

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