

## Product Information

### 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
Disodium 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

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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