

PRODUCT INFORMATION

Cary&Blair Medium

Cat. No. C03-131

DESCRIPTION

Cary-Blair Medium is recommended for the collection and transport of fecal and rectal samples, maintaining viability of Salmonella and Shigella in fecal samples. This medium has a low oxidation/reduction potential, which assures bacterial survival for long periods of time.

Cary-Blair Medium has a low nutrient content and a phosphate buffer, together with the Sodium thioglycollate, that inhibit the massive growth of strains such as Escherichia coli and Klebsiella aerogenes. Agar N°2 is the solidifying agent.

Due to its high pH, Cary-Blair Medium has been described as especially good for epidemiological studies of Vibrio parahaemolyticus, allowing long-term survival (up to 35 days at temperatures from 22 - 31°C) of rectal swabs. Long recovery times have been reported for Pasteurella pestis (75 days) as well as for Salmonellae and Shigellae (49 days).

Cotton swabs placed at the bottom of the transport medium tube are used for the collection of the samples

FORMULA (g/L)

Agar	5.2 g	Sodium chloride	5.2 g
Sodium thioglycollate	1.6 g	Sodium phosphate dibasic	1.2 g

Final pH: 8.4 ± 0.2 at 25 °C

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Suspend 13.2 grams of the medium in one liter of distilled water. Mix well. Heat with frequent agitation and boil until completely dissolved. Dispense into screw-capped test tubes and place in flowing steam for 15 minutes. Allow to cool at room temperature and tighten the caps to avoid water loss.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is white opalescent without rests.
3. Expected cultural response after 72 hours at 35 °C.

ORGANISM	RESULT
<i>Neisseria meningitidis</i> ATCC 13090	Good Growth
<i>Shigella flexneri</i> ATCC 12022	Good Growth
<i>Streptococcus pneumoniae</i> ATCC 6305	Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.