



CARY-BLAIR AGAR

Dehydrated medium for the transport of swab specimen to prolong the survival of microorganisms

TYPICAL FORMULA (g/L)

Disodium hydrogen phosphate	1.1
Sodium thioglycollate.....	1.5
Sodium chloride.....	5.0
Calcium chloride.....	0.09
Agar.....	5.6
Final pH	8.4 ± 0.2

DESCRIPTION

CARY-BLAIR AGAR is a transport medium for the collection and shipment of fecal and rectal samples based on the formulation of Cary and Blair.

PRINCIPLE

The low nutrient content of the medium and utilisation of phosphate as a buffering agent instead of sodium glycerophosphate, prevents bacterial overgrowth by *Escherichia coli*, *Citrobacter freundii* and *Klebsiella aerogenes*. **CARY-BLAIR AGAR** is particularly suitable in field epidemiological surveys for *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).

PREPARATION

Suspend 14.0 g of powder in 1 litre of distilled or deionized water. Heat to boiling and shake until completely dissolved. Distribute into small, screw-cap bottles and sterilise by immersing in free-steam for 15 minutes. Allow to cool and tighten the screw caps to prevent water loss.

TECHNIQUE

To transport specimens, insert a third of the swab with which the material has been collected into the centre of the medium: then cut the rod and screw the test-tube stopper down to clamp the swab. Keep the test-tube in a refrigerator until dispatch.

STORAGE

The powder is very hygroscopic: store the powder at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.
Store prepared media at 10-30°C for 19 months.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥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

- Cary S.G. and Blair E. B. (1964) *J.Bact.* 88,96-98.
- George K. Morris and Jean Heck. Quality of Cary Blair Transport Medium after Aging Nineteen Months. *J. Clinical Microb.* 1978; 616-617.



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PRODUCT SPECIFICATIONS

NAME

CARY BLAIR AGAR

PRESENTATION

Dehydrated culture medium

STORAGE

10-30°C

PACKAGING

Code	Content	Packaging
611402	500 gr	500 gr of powder in plastic bottle
621402	100 gr	100 gr of powder in plastic bottle

pH OF THE MEDIUM

8.4 ± 0.2

USE

CARY-BLAIR AGAR is a transport medium for the collection and shipment of clinical specimens based on the formulation of Cary and Blair.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE of the MEDIUM

Dehydrated medium

Appearance: free-flowing, homogeneous.

Colour: off-white coloured

Prepared medium

Appearance: semi-solid gel

Colour: light straw coloured

SHELF LIFE

4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Incubation conditions: 24 hours at 36 ± 1°C, in aerobiosis

Microorganisms		Results
<i>Shigella sonnei</i>	ATCC 25931	Good growth on subculture
<i>Vibrio parahaemolyticus</i>	NTCC 11344	Good growth on subculture

TABLE of SYMBOLS

Symbol	Meanings
	Catalogue number
	In vitro Diagnostic Medical Device
	Manufacturer
	Temperature limitation
	Kit content
	Use by
	Batch code
	Do not reuse
	Consult accompanying documents



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