

**Specificacion**

Semisolid non-nutritive medium used for transporting and preserving microbiological specimens, specially faecal and rectal samples.

Formula * in g/L

Sodium chloride.....	5,00
Sodium thioglycollate.....	1,50
Disodium phosphate.....	1,10
Calcium chloride.....	0,09
Agar.....	5,60

Final pH 8,4 ±0,2 at 25°C

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Suspend 13,3 g of the powder in 1 L of distilled water and boil it until it gets completely dissolved. Distribute in suitable containers and sterilize in flowing steam for 15 minutes. Stock the prepared medium at room temperature. **Do not refrigerate.**

Description

Transport media are chemically defined, semisolid, non-nutritive, buffered media that provides a reduced environment to maintain the viability of the micro organisms without increasings their growth.

Cary & Blair modified the Stuart's Transport Medium for gonococci producing a formulation more adapted to the faecal samples transport. The basic modification was the substitution of glycerophosphate for inorganic phosphate that prevents bacterial overgrowth. The raising the pH to 8,4 and the suppression of methylene blue favours the viability of *Shigella*, *Salmonella* and *Vibrio*.

Technique

Use sterile cotton tipped swabs on wooden sticks to collect the specimen. Insert the swabs into the upper third of the medium in the transport container. Cut the protruding swab stick and screw the cap of the container firmly. Label the container and send it to the laboratory with minimum delay. The culture and analysis of the sample must be performed within 24 hours of the collection.

Precautions and Limitations of the Procedure

Optimal growth and typical morphology can only be expected following direct inoculation and appropriate cultivation.

-Prior to use, the medium should not be incubated to check the sterility. This should be carried out on in separate control samples.

-The medium can maintain the viability of several micro organisms for transport purposes only. It should not be used as a storage or enrichment medium.

-The results obtained from this medium are dependent of the quality of the specimen and of the time elapsed from collection until analysis in the laboratory. The viability of the cells will diminish over time and some overgrowth of the accompanying microbiota can occur during prolonged periods of transit.

-Survival of bacteria in a transport medium depends of the formulation of the medium and on many other factors including type and concentration of organisms in the specimen, the temperature and duration of the transport and inoculation to appropriate culture media within 24 hours.



Reference : 03-643

Scharlau Microbiology - Technical data sheet

Product :
CARY-BLAIR TRANSPORT MEDIUM**Quality control****Incubation temperature:** 35°C ±2,0 **Incubation time:** 24 h**Inoculum:** Inoculate sterile swabs with suspensions of McFarland 0,5 (20-25°C for 24 h)

Microorganism	Growth	Remarks
<i>Salmonella typhimurium</i> ATCC 14028	Good	Satisfactory
<i>Shigella sonnei</i> ATCC 9290	Good	Satisfactory
<i>Klebsiella pneumoniae</i> ATCC 10031	Good	Satisfactory
<i>Streptococcus pneumoniae</i> ATCC 49619	Good	Satisfactory

References

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Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4°C to 30°C and <60% RH).