

**MM0054**

## **Cary Blair transport medium**

**Use and description:** Modified Stuart transport medium for Gram negative and anaerobic organisms. It contains phosphate buffer instead of glycerophosphate. Lack of carbon and nitrogen sources and nutrient content prevents microbial proliferation. The slightly alkaline pH protects bacteria from destruction due to the acid formation. High recovery and a long bacterial survival is provided by a low redox potential. It is suggested for faecal and rectal samples and it is good for *Vibrio* spp.

**Composition per liter:**

Na <sub>2</sub> HPO <sub>4</sub> .....	1.10 g
Sodium thioglycollate.....	1.50 g
Calcium chloride.....	0.09 g
Sodium chloride.....	5.00 g
Agar.....	5.00 g

**Final pH of the ready to use medium:** 8.4± 0.2

**Medium preparation:** Add 12,7 grams of dehydrated culture medium to 1 liter distilled water, heat until the agar evenly dispersed with stirring. Dispense into tubes and sterilise at 100 C° in freesteam for 15 minutes. Cool down before usage. To increase the recovery for *Campylobacter* spp. add 10 g/l sodium pyruvate and lower the agar content by 0,5g/l.

**Quality specification:**

Dehydrated medium: homogeneous, straw coloured, fine powder.

Ready to use medium: straw medium

**Storage:** Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.