

## Product Descriptions

Cary-Blair medium is a modification of the original Stuart formulation, it is almost exclusively used for the transportation of rectal swabs and fecal specimens for the isolation of enteric pathogens. Formulated with an inorganic phosphate buffer, it maintains an alkaline-pH condition to neutralise acidic metabolites produced by intestinal microbes. The reducing agent sodium thioglycollate creates a low-redox-potential environment and safeguards oxygen-sensitive fastidious bacteria against oxidative damage. It effectively inhibits the excessive proliferation of commensal intestinal flora and preserves the viability of common gastrointestinal pathogens during sample shipment, including *Salmonella*, *Shigella*, *Campylobacter* and *Vibrio cholerae*.

## Formula for Cary-Blair Gel Medium

Disodium Hydrogen Phosphate: 1.10 g/L

Sodium Thioglycollate: 1.50 g/L

Sodium Chloride: 5.00 g/L

Calcium Chloride: 0.09 g/L

Agar: 5.00 g/L

Deionized-distilled Water: Q.S. to 1.00 L

