

## Product Descriptions

Amies medium is a modification of Stuart's original medium formula, in which glycerophosphate has been replaced with an inorganic phosphate buffer. In Stuart's original formulation, coliform organisms and Gram-negative rods metabolized glycerophosphate, leading to over-proliferation of these organisms recovered from throat, wound and fecal specimens. Amies also found that NaCl at 0.3% (w/v) sodium chloride was optimal for the preservation of *Neisseria gonorrhoeae*. Calcium and magnesium salts were added on the basis that these cations help regulate bacterial-cell membrane permeability and support bacterial survival.

## Formula for Amies Gel Medium (Carbon-Free)

Sodium Chloride: 3.00 g/L

Potassium Chloride: 0.20 g/L

Calcium Chloride: 0.10 g/L

Agar: 7.00 g/L

Magnesium Chloride: 0.10 g/L

Potassium Dihydrogen Phosphate: 0.20 g/L

Disodium Hydrogen Phosphate: 1.10 g/L

Sodium Thioglycollate: 1.00 g/L

Deionized-distilled water, Q.S. to 1.00 L

