

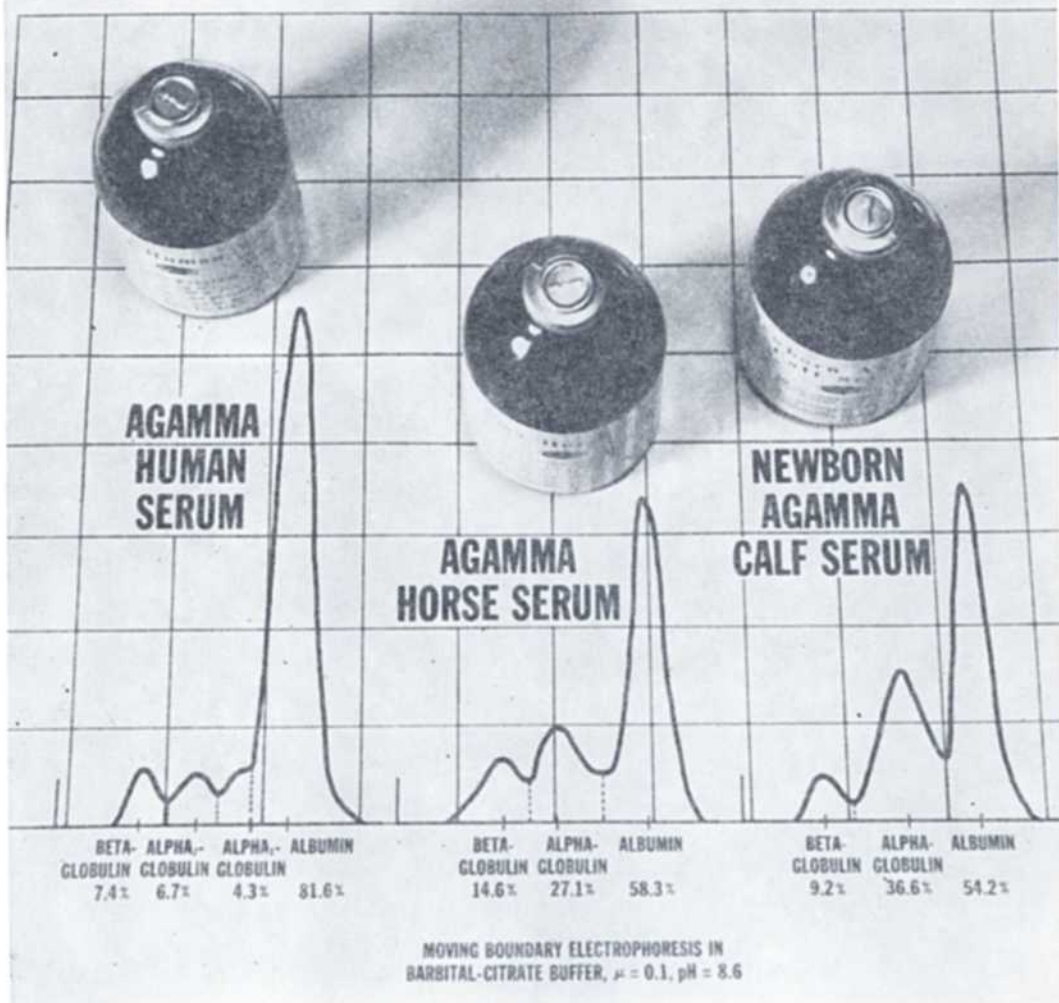
# FOR TISSUE CULTURE AND VIRAL RESEARCH HYLAND AGAMMA SERUMS

Now you can exercise greater control in tissue culture with these three exclusive Hyland serums. Gamma-globulin has been removed by proven fractionation methods, as illustrated in the typical electrophoretic patterns below, thus eliminating a major inhibitory factor. These controlled agamma serums (7% total protein) provide increased concentrations of stimulatory protein fractions.

Suggested trial supplies: Agamma Human Serum, Liquid, 100 cc, \$18.00; Agamma Horse Serum, Liquid, 100 cc, \$7.20; Newborn Agamma Calf Serum, Liquid, 100 cc, \$8.50. Write for listing of complete Tissue Culture line and quantity prices. HYLAND LABORATORIES / 4501 Colorado Boulevard, Los Angeles 39, California

QUALITY FIRST

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# PPLO

## *ISOLATION and CULTIVATION*

THE AVAILABILITY of media for the isolation and cultivation of *Pleuropneumonia-Like Organisms* (PPLO) has increased the interest in these infectious agents. PPLO are readily grown from clinic specimens or from pure culture on Bacto-PPLO Agar and Bacto-PPLO Broths enriched with Bacto-PPLO Serum Fraction, or Bacto-Ascitic Fluid.

**BACTO-PPLO AGAR** is an especially prepared solid medium containing the essential factors from meat infusion required by the PPLO. This medium, enriched with Bacto-PPLO Serum Fraction, will support abundant growth of all PPLO strains.

**BACTO-PPLO BROTH w/o CV** enriched with Bacto-Ascitic Fluid or Bacto-PPLO Serum Fraction is a liquid medium for enrichment and cultivation of PPLO organisms. Selective media for PPLO may be prepared from Bacto-PPLO Broth w/o CV by the addition of thallium acetate, potassium tellurite, penicillin or other bacteriostatic agents as desired.

**BACTO-PPLO BROTH with CV** enriched with Bacto-Ascitic Fluid is a selective medium for the isolation and cultivation of PPLO from specimens contaminated with commensal organisms. Contains Crystal Violet for inhibition of Gram-positives. The selectivity of the medium may be further increased to inhibit Gram-negatives by the addition of Bacto-Chapman Tellurite Solution. This medium will support growth of all PPLO strains and effectively suppress the growth of most contaminating bacterial flora.

**BACTO-PPLO SERUM FRACTION** contains the growth accessory factors required by all strains of the PPLO and is used as an enrichment in Bacto-PPLO Agar and Bacto-PPLO Broth w/o CV.

**BACTO-ASCITIC FLUID** is a sterile, bile-free ascitic fluid specially prepared for enriching culture media used in the cultivation of the PPLO group and other fastidious microorganisms.

**BACTO-CHAPMAN TELLURITE SOLUTION** to be added to Bacto-PPLO Broth w/CV or Bacto-PPLO Broth w/o CV for the inhibition of Gram-negative microorganisms.

THE DIFCO MANUAL, NINTH EDITION,  
*including descriptions of these media and their use,*  
*is available on request.*

**DIFCO LABORATORIES**  
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