An especially processed serum containing exceedingly high content of alpha globulin (37 to 40% of the total protein content) and 7 to 10% beta globulin. Gamma globulin chemically removed by fractionation techniques. Carefully processed to preserve all other proteins and growth components. Every lot biologically tested and rigidly assayed by moving boundary electrophoresis before release. Non-toxic. Recommended as a replacement for Fetal Calf Serum in many tissue culture procedures, including preparation of Puck's media.

Hyland's rapidly expanding tissue culture line now includes the following components for use in Puck's media: 

- Puck's Medium N16 (without l-glutamine), 100 cc
- Puck's Saline F, 100 cc
- NCTC 109 Medium, 100 cc
- and Fetal Calf Serum, Liquid, 30 cc and 100 cc.

Comments continue to be received on the high quality of Hyland's regular Calf Serum. It has unusually high content of alpha globulin (28 to 29% of the total protein content). Alpha globulin contains the fetuin component, which is required for growth, and in its presence most cells adhere to glass and assume a flattened appearance. Hyland Calf Serum is supplied in either liquid or freeze-dried form, in 30 cc and 100 cc sizes.

Write today for a listing of the complete Hyland Tissue Culture line. In addition to the products already mentioned, we offer a wide selection of liquid and dried products in a practical variety of sizes. Our line embraces Serums and Serous Fluids, Embryo Extracts and Ultrafiltrates, Balanced Salt Solutions, Synthetic Media and special formulations. The Hyland Tissue Culture Laboratory is always at your service and welcomes your inquiries about special formulas or products you would like added to our line.

HYLAND LABORATORIES
4501 Colorado Blvd.,
Los Angeles 39,
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ASTO

Difco reagents for the diagnosis of

Group A Streptococcal Infections

• RHEUMATIC FEVER
• GLOMERULONEPHRITIS

Antistreptolysin O titers (ASTO) and their relation to pathological conditions in Group A streptococcal infections have established the importance of this determination as a routine clinical test.

Bacto-Streptolysin O Reagent - a dehydrated, standardized and stable reagent requiring only rehydration with distilled water. Antistreptolysin O titers have been impractical for routine diagnosis because of the difficulties in preparing the reagent. Bacto-Streptolysin O Reagent is a standardized preparation permitting the routine performance of this diagnostic test in all clinical laboratories.

Bacto-ASTO Standard - an antiserum titred in Todd units for use as a control in the determination of antistreptolysin O titers.

Descriptive literature sent upon request

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