New Hyland Enzo-Clean® Solubilizes Protein and Starch Residues

...leaves your laboratory glassware "biologically" clean

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Enzo-Clean saves you time and energy, too. No scrubbing, a minimum of rinsing. Five grams of this stable, odorless powder make ten liters of cleaning solution that maintains its potency all day long.

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S/P Microtiter System takes less reagent, less space to do

8 serial dilutions simultaneously

Compare the Microtiter System* to traditional test tube techniques and you'll see that you use not only less reagent and space, but less sample and glassware, too! You need as little as 0.025 ml of sample and reagent, and far less time—eight complete 12-step serial dilutions take just 60 seconds. Reproducibility and reliability are comparable to macro techniques.

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No. B1190—S/P Microtiter System, consists of Storage Case, 16 Plates, 6 Pipettes, 36 Loops, Loop and Pipette stand and Loop rack. ............................................. $330.00
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with the science . . .

Rhodes & van Rooyen:
TEXTBOOK OF VIROLOGY, 4th ed.

"Advances in the subject of medical virology have occurred so rapidly that a new edition of this book has been required after four years, and the text has been almost completely rewritten. It remains our chief purpose in this edition to present an up-to-date account of medical virology suitable for students and practitioners of medicine, public health, microbiology, and other health sciences. The major change in this edition has been to arrange the descriptions of the various virus infections according to the biologic properties of the causal viruses, and not according to clinical, pathologic, or epidemiologic features of the disease. We have adopted the newer concepts of classification in which stress is laid both on the intimate morphology of the virus particle as shown by electron microscopy and on antigenic relationships between certain members in each group."—From the Preface to the Fourth Edition

The major part of the revision has been carried out by Drs. Rhodes and van Rooyen; several colleagues, D. M. McLean, of the University of Toronto, A. J. Beale, of the Virus Research Unit, Glaxo Laboratories, Buckinghamshire, England, D. B. W. Reid, of the University of Toronto, L. Siminovitch of the University of Toronto, and K. R. Rozee, of Dalhousie University, Nova Scotia, have contributed a number of chapters.

By A. J. RHODES, M.D., F.R.C.P.Edin., F.R.S.C., Director, School of Hygiene, University of Toronto; Professor of Microbiology, School of Hygiene, University of Toronto; and Consultant Virologist, The Hospital for Sick Children, Toronto; and C. E. VAN ROOYAN, M.D., D.Sc.(Edin.), M.R.C.P.(Lond.), F.R.C.P.(C), Professor of Bacteriology, Dalhousie University; Bacteriologist, The Victoria General Hospital; Consultant Bacteriologist, Camp Hill Hospital, Department of Veterans Affairs; Consultant Virologist. The Canadian Forces Hospital, Halifax, N.S. With the Assistance of Contributors.

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HEMAGGLUTINATION

...introduce quantitation

with unique decantation principle that “puts a number” on end result. Traditional laborious hemagglutination-hemolytic techniques are so subjective that results may vary considerably from lab to lab. At best, answers are merely qualitative.

The AutoAnalyzer method not only standardizes and automates the procedure (in itself a considerable achievement), but it “puts a number” on the end result: expresses answers directly in % agglutination or % hemolysis.

The whole procedure is a simple, straightforward chemical method under precise control every step of the way...cell/anti-serum volume, reagent proportioning, mixing, time/temperature, etc. Equipment is rugged and simple, even down to the readout, which is colorimetric rather than cumbersome complicated electronic counting devices.

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Technicon Bulletin H-1 gives details of the technique, with diagrams of instrumentation and flow, examples of the definite recording. Write us at the below address for a copy.
A mixture of 1, 2 Dimethyl 4 (p carboxy phenylazo) 5 Hydroxy Benzene (CPA) and 1, 2 Dichloro 4 Benzene Sulfonamido 5 Nitro Benzene (DCBN) when fed to mice of the SPF strain bearing spontaneous mammary cancers, cured permanently about one third of the animals.

The investigators adjudged the permanency of the cure of the cancers when the neoplasm decreased in size, disappeared and remained undetectable for at least 5 months.\(^1\)

The maximal number of cures was obtained with 6 grams of CPA and 0.5 grams of DCBN per kilo of ration. This represents the first case of the cure of such cancers by any chemical agent.

These biochemicals were conceived on the basis of a demonstration that spontaneous cancer differed from normal host tissues in that they synthesized vitamin B\(_{12}\).

Previously it was demonstrated that certain spontaneous mammary cancers of mice differed from normal mouse tissues in that cancer cells synthesized Vitamin B\(_{12}\)\(^2\) \(^3\). This metabolic difference allowed the prediction and the realization of antimetabolites poisonous to the cancers that are harmless to the host mice \(^4\) \(^5\).

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All chemicals described are for chemical and investigational use only. They are not offered for clinical or drug use. The literature reference should not be interpreted as either an endorsement or disapproval of the biochemical by the cited investigator.

\(^3\) D. W. Woolley, Ibid. 41, 111, (1955).

CPA

DCBN

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