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The October 1974 Issue

THE OCTOBER 1974 ISSUE CONTAINS THE FOLLOWING PAPERS

Cytochemical profile of B and T leukaemic lymphocytes with special reference to acute lymphoblastic leukaemia D. CATOVSKY, J. GALETTO, A. OKOS, E. MILIANI, AND D. A. G. GALTON

Leucocyte migration inhibition in liver disease C. VERGANI, T. OLDONI, AND N. DIOGUARDI

Characteristics of colony growth from normal human bone marrow T. C. M. MORRIS, T. A. MCNEILL, AND J. M. BRIDGES

Sickle cell anaemia and the NBT test THOMAS R. WALTERS AND B. NARASIMHA REDDY

Serum ferritin concentration as an index of storage iron in rheumatoid arthritis D. P. BENTLEY AND P. WILLIAMS

Serum 'uracil + uridine' levels in normal subjects and their possible significance T. E. PARRY AND J. A. BLACKMORE

Discrepancies between immunological and caseolytic plasma plasminogen assays in health and hyperfibrinolytic states V. MUSUMECI, G. LEONE, AND B. BIZZI

An immunoperoxidase technique for the identification of gastrin-producing cells J. PIRIS AND R. WHITEHEAD

Glomerular nodules and long-spacing collagen in kidneys of patients with multiple myeloma G. E. SCHUBERT AND A. ADAM

Primary myxoma of the aorta J. GOUGH AND W. MOREANO

Systemic nodular panniculitis with cardiac involvement P. J. WILKINSON, R. R. M. HARMAN, AND C. R. TRIBE

A correlative isotopic and histological study of soleal vein thrombosis RICHARD WRAY, D. RIMMER, M. DENHAM, AND E. B. RAFTERY

The small intestine in dermatitis herpetiformis LIONEL FRY, P. P. SEAH, P. G. HARPER, A. V. HOFFBRAND, AND R. M. H. MCMINN

Antibody levels in human sera measured by the fluorescent-antibody technique against the coxsackie B viruses types 1-5 grown in HEp2 cells compared with results obtained by neutralization KATHLEEN M. MACWILLIAM AND MARGARET A. COOPER

Comparative activity of ampicillin and seven cephalosporins against group D streptococci J. M. T. HAMILTON-MILLER

A new *E. coli* O group O158 associated with an outbreak of infantile enteritis B. ROWE, R. J. GROSS, R. LINDOP, AND R. B. BAIRD

Surface viable counts with nichrome wire loops OMAR KHAIRAT

Deep scopulriopsis: A case report and sensitivity studies AWATAR S. SEKHON, D. J. WILLANS, AND J. H. HARVEY

Technical method

The assay of tritium-labelled folate in faeces by the oxygen flask combustion technique followed by liquid scintillation counting J. G. STEYTLER

Letter to the Editor

Book reviews

Copies are still available and may be obtained from the PUBLISHING MANAGER, BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, LONDON, WC1H 9JR, price £1.05

NCTC Number	Strain	NCTC Number	Strain
8172	<i>Kl. aerogenes</i>	5050	<i>Kl. ozaenae</i>
9633	<i>Kl. pneumoniae</i>	5051	<i>Kl. ozaenae</i>
5046	<i>Kl. rhinoscleromatis</i>	5052	<i>Kl. ozaenae</i>
9496	<i>Kl. edwardii</i> var. <i>atlantae</i>	5054	<i>Kl. edwardii</i> var. <i>edwardii</i>

The total number of strains tested was 58.

APPEARANCES OF COLONIES ON EOSIN-METHYLENE BLUE

After overnight (18-24 hour) incubation, each plate was examined by direct and transmitted illumination, and the colonial appearances were classified as follows:

Dark centre to the colony + metallic sheen	Type A
Dark centre to the colony (no sheen)	Type B
Translucent colony (no centre, no sheen)	Type C

These results are also found in table I.

Discussion

It can be seen from table I that the appearances on eosin-methylene blue agar correlate with the biochemical classification. Thus, *Klebsiella aerogenes* was rapidly distinguished from the other members of the genus. It is also seen that *Klebsiella pneumoniae* can be rapidly identified, but that the remaining members of the genus all have the same colonial appearance on eosin-methylene blue agar. Its use is

thus limited to screening *Klebsiella* and rapidly eliminating *Klebsiella aerogenes* from consideration in possible cases of Friedlander's pneumonia.

It is suggested that eosin-methylene blue could be used in the routine media inoculated for cultural diagnosis of chest infections, in which case any *Klebsiella* encountered would be quickly found to be *Klebsiella aerogenes* or not. A presumptive report could then be issued after only 18 to 24 hours. The inoculation of Donovan's medium from one of the colonies would confirm the presence of a *Klebsiella* over the next 18-24 hours, thus allowing a final report to be issued. The only organism likely to produce a similar appearance to *Klebsiella aerogenes* on eosin-methylene blue agar is *Escherichia coli*; this would be detected by the Donovan's medium, but the significance of the presumptive report would remain unaltered.

Final identification of a pathogenic member of the genus, ie, Friedlander's bacillus, would still be done by biochemical means, but the screening procedure should reduce this to a minimum.

References

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Book review

IARC Monographs: The Evaluation of Carcinogenic Risk of Chemicals to Man. Volume 4: Some Aromatic Amines, Hydrazine and Related Substances, N-Nitroso Compounds and Miscellaneous Alkylating Agents. IARC Working Group, meeting in Lyon, June 1973. (Pp. 286. Sw.Fr. 18.-) **Volume 5: Some Organochlorine Pesticides.** Views of the IARC Working Group, meeting in Lyon, October, 1973. (Pp. 241; formulae. Sw.Fr. 18.-). **Assessment of the Carcinogenicity and Mutagenicity of Chemicals: Report of a WHO Scientific Group.** *Wld Hlth Org. techn. Rep. Ser.*, 1974, No. 546. (Pp. 19. Sw.Fr. 4.-). Geneva: World Health Organization. 1974. Available through HMSO, London.

The two latest monographs from IARC on the evaluation of carcinogenic risks of chemicals to man follows the format of their predecessors. They provide excellent summaries of current knowledge and the volume which includes the aromatic amines will be of particular value. Some of the contemporary problems in assessing carcinogenic and mutagenic mechanisms (and their interrelationship) are clearly laid out in the WHO booklet.

RICHARD CARTER

Notice

Unwanted ACP Broadsheets

ACP Broadsheets are required to send to pathologists working overseas who have difficulty in obtaining these for themselves due to currency restrictions. Any member who does not require his broadsheets is asked to send them to the Publications Secretary, Association of Clinical Pathologists, c/o The Adelphi, 1-11 John Adam Street, London WC2N 6AP. A regular commitment to do this would be very valuable.

tendency to infection. It is therefore important to have accurate and reproducible methods for measuring leucocyte migration in the clinical laboratory. These

require that a population of neutrophils from the patient can be reliably compared with similar cells from normal subjects. Most, but not all, of the techniques

presently in use are variants of Boyden's micropore filter method. Some advantages and drawbacks of this method for clinical use were discussed.

Reports and Bulletins prepared by the Association of Clinical Biochemists

The following reports and bulletins are published by the Association of Clinical Biochemists. They may be obtained from The Publishing Department, British Medical Journal (ACB Technical Bulletins), B.M.A. House, Tavistock Square, London WC1H 9JR. Overseas readers should remit by British Postal or Money Order.

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