



Fig. 4 Anti-*L pneumophila* ELISA IgG titres in sera with IFA titres of <1/16 and ≥1/16 using Falcon Flexible plates.

plate assay and found to be satisfactory.

Results of ELISA assays in Falcon Flexible plates (Figs. 3 and 4) showed much better correlation to IFA titres. Three hundred and five/384 sera with IFA IgM titres of <1/20 and the highest ELISA titre in this group was 1/320.

The relatively small number of sera with IFA titres of <1/16 which gave ELISA titres

of 1/20 in Figs. 1–3 is an artefact due probably to harsh selection of sera for further titration. However, since this was done in the same manner for all assays, it should not have biased the results.

In our assay employing Falcon Flexible plates, we obtained results which were in good agreement with our previous study¹ and the correlation between IFA and ELISA was good. Relatively few sera with

the chapters on chemotaxis by Peter Ward and on the role of proteases and oxidants in tissue injury by Aaron Janoff and Harvey Carp are, in my view, of outstanding interest.

The book is well produced and by present day standards moderately priced. I can thoroughly recommend it to all biologists, medical and otherwise, with an interest in this important field.

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Recent Advances in Neuropathology. Ed W Thomas Smith and JB Cavanagh. (Pp 301; illustrated; £23.00.) Churchill Livingstone. 1982

Since the publication of the first volume in this excellent series many new developments in clinical and experimental neuropathology have led to a growing need for a sequel. As with the previous volume this book takes the form of a series of reviews written by neuropathologists and neuroscientists of international reputation. The aim has again not been to survey the whole field of neuropathology, but rather to highlight various subjects of current interest. These range from experimentally

IFA titres of <1/16 gave ELISA titres of >1/80. All sera with IFA titres of ≥1/16 had ELISA titres of ≥1/20, and the ELISA titres (particularly IgG) were generally much higher than the IFA titres.

We have therefore found that using the correct microtitre plate, our modified indirect ELISA test is reliable and specific, and more amenable to large scale routine or survey work than IFA.

This study underlined the value of performing extensive evaluation of the ELISA assay conditions. Our tests with small numbers of sera showed Nunc plates to be satisfactory, and it was only when a large number of negative sera (by IFA) were tested by ELISA that we realised there was a problem.

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References

- Wreghitt TG, Nagington J, Gray J. An ELISA test for the detection of antibodies to *Legionella pneumophila*. *J Clin Pathol* 1982;35:657–770.

Book reviews

Current Topics in Inflammation and Infection. Ed G Majno, RS Cotran and N Kaufman. (Pp 242; illustrated; £28.50.) Williams & Wilkins. 1982.

The last decade has seen a revolution in our understanding of the processes involved in the inflammatory process. This expansion of knowledge has come about largely through the application of the experimental approaches and the insights derived from cell biology. The picture thus revealed in this volume, inchoate in part though it still remains, makes fascinating reading. Historical perspectives receive their due need of attention in the form of an elegant overview of some of the “historical highlights” of inflammation written by Guido Majno. The rest of this fairly slim volume is divided into seven chapters dealing with various aspects of the pathobiology of acute inflammation and five chapters which consist of “updates” of our knowledge in a number of specific disease areas. Amongst so many excellent contributions perhaps it is invidious to single any out, but

orientated topics, including chapters on microglial function and neuronal cytoskeletal proteins through to recent developments in more clinically related areas such as Creutzfeldt-Jakob disease and non-missile head injury. There is also an important chapter on immunohistological techniques which are of increasing relevance in both research and diagnosis. There is a high standard of illustration throughout the book and the texts are clear and informative. This is not only an essential item for all neuropathologists but can be recommended as stimulating reading for any clinician or pathologist with an interest in the nervous system.

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Techniques in Immunocytochemistry. Vol 1. Ed GR Bullock and P Petrusz. (Pp 306; illustrated; £24.00 \$49.50.) Academic Press Inc. (London) Ltd. 1982.

This is the first of a series of volumes on immunocytochemistry which are intended to cover all the major techniques and applications in this field. The authors include anatomists, pathologists, micro-