

Animal Virus Pathogenesis

A Practical Approach

Edited by

MICHAEL B. A. OLDSTONE

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La Jolla, California, USA*

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Abbreviations

| | |
|--------------------|---|
| AAP | avidin-alkaline phosphatase |
| AB | Amido black |
| ABC | avidin-biotin complex |
| ADCC | antibody-dependent cell-mediated cytotoxicity |
| AEC | 3 amino-9 ethylcarbazole |
| APC | antigen presenting cells |
| APS | ammonium persulphate |
| BSA | bovine serum albumin |
| BUdR | bromodeoxy uridine |
| CF | cytotoxic factor |
| CMC | carboxymethyl cellulose |
| CNS | central nervous system |
| CTL | cytotoxic T lymphocytes |
| DAB | 3,3' diaminobenzadine |
| ddH ₂ O | deionized distilled water |
| EAE | experimental allergic encephalomyelitis |
| ELISA | enzyme linked immunoadsorbent assay |
| EMCV | endomyocarditis virus |
| FACS | fluorescence activated cell sorter |
| FCS | fetal calf serum |
| FITC | fluorescein isothiocyanate |
| GAG | glucose oxidase-anti-glucose oxidase |
| GTC | guanidinium thiocyanate <i>or</i> (cf. Ch. 2.3, p. 99) guanidium isothiocyanate |
| LAK | lymphokine activated killer |
| LCMV | lymphocytic choriomeningitis virus |
| LGL | large granular lymphocytes |
| MPB | myelin basic protein |
| MEM | modified Eagles medium |
| MHC | major histocompatibility complex |
| MHV | mouse hepatitis virus |
| NK | natural killer |
| PAGE | polyacrylamide gel electrophoresis |
| PAP | peroxidase-anti-peroxidase |
| PBL | peripheral blood lymphocytes |
| PBS | phosphate-buffered saline |
| PCR | polymerase chain reaction |
| PEG | polyethylene glycol |
| PLP | proteolipid protein |
| PLPG | paraformaldehyde-lysine-periodate-glutaraldehyde |
| SPA | staphylococcal protein A |

Abbreviations

| | |
|------|-------------------------|
| TCGF | T cell growth factor |
| TCR | T cell receptors |
| TK | thymidine kinase |
| TNF | tumour necrosis factor |
| VBS | veronal-buffered saline |
| VV | vaccinia virus |
| WAS | whole animal section |

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Many of the strategies to study viral pathogenesis recorded in this book were developed or extended by colleagues who have worked in the Viral-Immunobiology Unit at Scripps. Thanks to Raymond Welsh, Professor of Microbiology and Pathology at the University of Massachusetts Medical School, Worcester; Peter Southern, Associate Professor of Microbiology at the University of Minnesota Medical School, Minneapolis; Robert Fujinami, Association Professor of Pathology at the University of California at San Diego Medical School, La Jolla; Peter Schwimmbeck, Assistant Professor of Medicine at the University of Dusseldorf, Germany; Matthias Löhr, Assistant Professor of Medicine at the University of Erlangen, Germany; Ian Lipkin, Assistant Professor of Neurology at the University of California at Irvine; and Linda Klavinskis, Research Scientist at Hoffman-La Roche, London. Drs Whitton, Nerenberg, Salvato, and Nelson are currently on the faculty and Ms Tishon, Lewicki, and Reynolds-Kohler are currently on the technical staff at the Research Institute of Scripps. S. Southern is in Minneapolis, Minnesota. NIH support from the Allergy and Infectious Disease Institute, Neurologic Institute and Aging Institute was responsible, in large part, for funding the development and utilization of the techniques reported here. We thank Mrs Gay Schilling for typing and management of the book.

The Practical Approach Series

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