

Contents of Volume 5

No. 1, February 1985

H.S. Allaudeen

- Distinctive properties of DNA polymerases induced by herpes simplex virus type-1 and Epstein-Barr virus (AVR 00152) 1

N.K. Ayisi, S.V. Gupta and L.A. Babiuk

- Combination chemotherapy: interaction of 5-methoxymethyldeoxyuridine with trifluorothymidine, phosphonoformate and acycloguanosine against herpes simplex viruses (AVR 00153) 13

S.K. Wray, B.E. Gilbert, M.W. Noall and V. Knight

- Mode of action of ribavirin: effect of nucleotide pool alterations on influenza virus ribonucleoprotein synthesis (AVR 00150) 29

S.K. Wray, B.E. Gilbert and V. Knight

- Effect of ribavirin triphosphate on primer generation and elongation during influenza virus transcription in vitro (AVR 00151) 39

W. Weimar, P. Kramer, A.M. Dekkers-Bijma and J. Jeekel

- Effects of treatment with azathioprine and cyclosporin A on interferon- γ production by peripheral blood leukocytes of renal allograft recipients (AVR 00148) 49

W. Chmielarczyk, I. Domke and H. Kirchner

- Role of interferon in the resistance of C3H/HeJ mice to infection with herpes simplex virus (AVR 00144) 55

Book reviews 61

Announcements 65

No. 2, April 1985

D.W. Hutchinson, M. Naylor and P.M. Cullis

- Thio-analogues of inorganic pyrophosphate inhibit the replication of influenza virus A in vitro (AVR 00156) 67

J. Harmenberg, G. Abele and B. Wahren

- Nucleoside pools of acyclovir-treated herpes simplex type 1 infected cells (AVR 00158) 75

M. Yamamoto, Y. Hayashi, L.-L. Tang and R. Mori

- Effects of combined use of acyclovir and antibody in athymic nude mice inoculated intracutaneously with herpes simplex virus (AVR 00159) 83

S. Spadari, F. Fochoer, C. Kuenzle, E.J. Corey, A.G. Myers, N. Hardt, A. Rebuzzini, G. Ciarrocchi and G. Pedrali-Noy

In vivo distribution and activity of aphidicolin on dividing and quiescent cells (AVR 00149) 93

G.F. Hayden, J.M. Gwaltney, Jr., D.F. Thacker and J.O. Hendley

Rhinovirus inactivation by nasal tissues treated with virucide (AVR 00155) 103

F.G. Hayden, J.M. Gwaltney, Jr. and M.E. Johns

Prophylactic efficacy and tolerance of low-dose intranasal interferon- α_2 in natural respiratory viral infections (AVR 00157) 111

E. Storch and H. Kirchner

Interferon inducibility in mice treated with *Corynebacterium parvum* (Short Communication) (AVR 00154) 117

Announcement 125

No. 3, June 1985

C. Rochette-Egly and M.G. Tovey

Cyclic GMP levels in interferon treated cells (AVR 00161) 127

E.B. Fraser-Smith, D.A. Eppstein, Y.V. March and T.R. Matthews

Enhanced efficacy of the acyclic nucleoside 9-(1,3-dihydroxy-2-propoxymethyl)-guanine in combination with gamma interferon against herpes simplex virus type 2 in mice (AVR 00160) 137

P. Collins and N.M. Oliver

Comparison of the in vitro and in vivo antiherpes virus activities of the acyclic nucleosides, acyclovir (Zovirax) and 9-[(2-hydroxy-1-hydroxymethylethoxy)methyl]guanine (BWB759U) (AVR 00163) 145

H.J. Field

Chemotherapy of Aujeszky's disease (pseudorabies) in the mouse by means of nucleoside analogues: bromovinyldeoxyuridine, acyclovir, and dihydroxypropoxymethyl-guanine (AVR 00164) 157

D.J. Freeman, S.L. Sacks, E. De Clercq and S.L. Spruance

Preclinical assessment of topical treatments of herpes simplex virus infection: 5% (E)-5-(2-bromovinyl)-2'-deoxyuridine cream (AVR 00165) 169

W.C. Koff and I.J. Fidler

The potential use of liposome-mediated antiviral therapy (Review article) (AVR 00162) 179

Book reviews 191

No. 4, August 1985*D.W. Hutchinson*

- Metal chelators as potential antiviral agents (Review article) (AVR 00176) 193

S. Ikeda, T. Negishi and C. Nishimura

- Enhancement of non-specific resistance to viral infection by muramyl dipeptide and its analogs (AVR 00166) 207

D. Soldateschi, D. Boraschi and A. Tagliabue

- Natural antiviral activity of mouse macrophages against encephalomyocarditis virus (AVR 00167) 217

S. Levin, T. Hahn, Z.T. Handzel, E. Galili-Wiesstub, V. Bregman, R. Myer, M. Tinowitz, Y. Altman, N. Barzilai, Y. Brenner and Z. Bentwich

- Activated interferon system in healthy homosexual men (AVR 00168) 229

O.O. Komolafe and O. Jarrett

- Feline calicivirus subunit vaccine – a prototype (AVR 00170) 241

D. Ronen, E. Nir and Y. Teitz

- Effect of *N*-methylisatin- β -4':4'-diethylthiosemicarbazone on intracellular Moloney leukemia virus constituents (AVR 00179) 249

Book review

255

Announcement

256

No. 5, October 1985*D.F. Smee, N.L. Campbell and T.R. Matthews*

- Comparative anti-herpesvirus activities of 9-(1,3-dihydroxy-2-propoxymethyl)guanine, acyclovir, and two 2'-fluoropyrimidine nucleosides (AVR 00171) 259

C.C. Buck and P.C. Loh

- In vitro effect of acyclovir and other antiherpetic compounds on the replication of channel catfish virus (AVR 00174) 269

J.T. Richards, M.E. Katz and E.R. Kern

- Topical butylated hydroxytoluene treatment of genital herpes simplex virus infections of guinea pigs (AVR 00175) 281

S. Kluge

- Comparison of the effects of chlorite-oxidized oxyamylose and polyacrylic acid on the multiplication of phytopathogenic viruses (AVR 00173) 291

K.W. McIntyre, J.F. Bukowski and R.M. Welsh

- Exquisite specificity of adoptive immunization in arena virus-infected mice (AVR 00172) 299

No. 6, December 1985*D.S. Freestone*

The need for new antiviral agents (Review article) (AVR 00182) 307

L.R. Crane and D.A. Milne

Comparative activities of combinations of acyclovir, vidarabine or its 5'-monophosphate, and cloned human interferons against herpes simplex virus type 2 in human and mouse fibroblast cultures (AVR 00180) 325

H.V. Thorne, G.F. Clarke and R. Skuce

The inactivation of herpes simplex virus by some Solanaceae glycoalkaloids (AVR 00178) 335

S. Ikeda, Y. Matsuda and C. Nishimura

Enhancement by muramyl dipeptides of the activities of early-type inducers of interferon (AVR 00183) 345

*E. Dumas, S. Gianinazzi and S. Nicoud*A genetically controlled polyacrylic acid induced resistance in *Nicotiana* species (AVR 00177) 355

Contents of volume 5 363

Author index 367

Subject index 370