Subject Index

Actinomycin D, time-course of inhibition of tobacco mosaic virus multiplication 304
Acute hemorrhagic conjunctivitis virus, RNA synthesis 206
Adenovirus
7 region, PARA genome, evidence for a temperature-sensitive lesion 261
–SV40 hybrid virus, temperature-sensitive lesion in the adenovirus 7 region 261
Aphivirus, genus of family Togaviridae 129
Arboviruses, inclusion in family Togaviridae 129
Arenaviruses, interrelationships measured by indirect immunofluorescence 344
Autoradiography, detection of Epstein-Barr virus-associated early antigen 333
Baculovirus,
Lymantria dispar NPV, characterization of hemagglutinin 231
Trichoplusia ni NPV, modified after passage in vivo 76
Bovine rotavirus, hemagglutination and hemagglutination-inhibition studies 95
Bromovirus, cowpea chlorotic mottle virus, RNA replication 119
Cell membrane-related functions, polyion effect 173
Chemostat cultures, inhibition of thymidine uptake by interferon 243
Chicken embryo lethal orphan virus DNA in cell lines derived from CELO-induced hepatomas 321
Comparative virology, summary of international conference 325
Continuous cell line, persistence of lympho-ctic choriomeningitis virus 156
Cowpea chlorotic mottle virus, time-course
of RNA replication 119 Cowpox virus-induced deoxyribonucleases
1 C-type
viral genomes, reiteration frequency in host cell DNA 253
viruses, polyion effect on cell susceptibility to infection 173
Cytomegalovirus, interferon sensitivity 48
Defective measles virus, isolated from brain
biopsies of subacute sclerosing panencephalitis patients 106 Deoxyribonucleases, in situ assay of pox-virus-induced and virion-contained 1 Disease (hand, foot and mouth), associated with entero virus 71 60 Disodium phosphonoacetate, resistance of herpes simplex virus 193
Early antigen, Epstein-Barr virus, induction by lymphocyte-transforming and non-transforming strains 86
Enterovirus
concentration, cell culture harvests 56
70, AHC virus, RNA synthesis 206
71, epidemic of hand, foot and mouth disease 60
Epstein-Barr virus–associated early antigen, autoradiographic detection 333, induction of nuclear and early antigens by lymphocyte-transforming and non-transforming strains 86
Equine herpesviruses, replication in presence of hydroxyurea and thymidine 276
Infectious anemia virus, structural poly-peptides 286
Subject Index
371
Field rabies virus strains, isolation in cell cultures 359
Flavivirus, genus of family Togaviridae 129
Hand, foot and mouth disease, epidemic associated with enterovirus 71 infection 60
Hemagglutination studies, Nebraska calf diarrhea virus 95
Hemagglutinin, goose, released by mosquito cells 362
Hepatitis B surface antigen and antibody, simultaneous presence of different specificities 189
Hepatomas, CELO-induced, presence of CELO virus DNA 320
Herpes simplex virus–, resistance to disodium phosphonoacetate 193
– thymidine kinase polypeptides, detection 162
Herpesviruses, equine, replication in presence of hydroxyurea and thymidine 276
Human cells, transformed by SV40 mutants 28
Virus shedding after SV40 transformation 39
Hydroxyurea, replication of equine herpes-virus in presence of 276
Immunofluorescence, measurement of arenavirus interrelationships 344
Interferon– inhibition of thymidine uptake in chemostat cultures 243
– sensitivity, human cytomegalovirus 48
International conference on comparative virology, summary 325
Irradiation, nuclear polyhedrosis virus 351
Leukemia, acute lymphoblastic, derivation of new cell line with non-T and non-B characteristics 316
Lymantria dispar nuclear polyhedrosis virus, characterization of hemagglutinin 231
Lymphoblastoid cell lines, autoradiographic detection of Epstein-Barr virus–associated early antigen 333
Lymphocyte-transforming and nontransforming strains, Epstein-Barr virus, induction of nuclear and early antigens 86
Lymphocytic choriomeningitis virus, persistence in continuous cell line 156
Lymphoid cell line, lacking Epstein-Barr virus genome and derived from human acute lymphoblastic leukemia 316
Measles virus, defective, isolated from brain biopsies of subacute sclerosing panencephalitis patients 106
Membrane filters, concentration of entero-viruses and rotaviruses from cell culture harvests 56
Mosquito cells, release of goose hemagglutinin 362
Multicomponent viruses, evaluation of sedimentation coefficient ratios 16
Mutants,
simian virus 40, transformation of human cells 28
temperature-sensitive, tobacco mosaic virus, stability 149
Nebraska calf diarrhea virus, hemagglutination and hemagglutination-inhibition studies 95
Nuclear antigen, Epstein-Barr virus, induction by lymphocyte-transforming and nontransforming strains 86
Nuclear polyhedrosis virus,
Lymantria dispar, characterization of hemagglutinin 231
Trichoplusia ni, modified after passage in vivo 76
ultraviolet-irradiated 351
PARA genome, evidence for temperature-sensitive lesion in the adenovirus 7 region 261
Pea enation mosaic virus genome RNA, absence of polyadenylate sequences 226
Pestivirus, genus of family Togaviridae 129
372
Subject Index
Phenotypic expression, ultraviolet-irradiated nuclear polyhedrosis virus 351
Phosphonoacetate, resistance of herpes simplex virus 193
Photochemical inhibition, poliovirus replication 65
Picornaviridae, enterovirus 71 60
Poliovirus replication, photochemical inhibition 65
Polyadenylate sequences, absence in pea enation mosaic virus genome RNA 226
Polyion effect, correlation between cell-susceptibility to infection with C-type viruses and membrane-related functions 173
Polypeptides,
herpes simplex virus thymidine kinase 162
structural, equine infectious anemia virus 286
Poxvirus-induced deoxyribonucleases, in situ assay 1
Proteins, ribosomal, in normal, virus-infected and virus-transformed simian cells 8
Protoplast concentration, effect on infection with tobacco rattle virus 184
Psoralen, photochemical inhibition of poliovirus replication 65
Rabies virus,
application of critical point dried whole cell technique 214
isolation of field strains in cell cultures 359
Reiteration frequency, feline C-type viral genomes, in host cell DNA 253
Replication, poliovirus, photochemical inhibition 65
Rhabdoviruses, application of critical point dried whole cell technique 214
Ribosomal proteins in normal, virus-transformed and virus-infected simian cells 8
RNA replication, cowpea chlorotic mottle virus 119
replication, tobacco mosaic virus, recovery of 295
- synthesis, acute hemorrhagic conjunctivitis virus 206
Rotavirus-, bovine, hemagglutination and hemag-glutination-inhibition studies 95
- concentration, cell culture harvests
56
Rubivirus, genus of family Togaviridae 129
Sedimentation, multicomponent viruses 16
Simian virus 40-transformed human cells, virus shedding 39
Subacute sclerosing panencephalitis, isolation of defective measles virus from brain biopsies 106
SV40-adenovirus hybrid virus, temperature-sensitive lesion in the adenovirus 7 region 261
infected and -transformed simian cells, ribosomal proteins 8
Temperature-sensitive mutants,
- simian virus 40, transformation of hu
man cells 28
- tobacco mosaic virus, stability 149
Thymidine
- kinase polypeptides, herpes simplex
virus, detection 162
-, replication of equine herpesvirus in presence of 276
- uptake, inhibition by interferon in che-
mostat cultures 243
Tobacco
mosaic virus, cell-to-cell spread of infection in mechanically inoculated leaves 310
mosaic virus, multiplication, time-course of actinomycin D inhibition 304
mosaic virus, recovery of RNA replication 295
mosaic virus, stability of temperature-sensitive mutants 149
protoplast concentration, effect on infection with tobacco rattle virus 184
rattle virus, effect of protoplast concentration on infection 184
Subject Index
373
Togaviridae, Arbovirus Study Group report 129
Transmission electron microscopy, application of critical point drying technique for study of
animal rhabdoviruses 214
Trichoplusia ni nuclear polyhedrosis virus, modified after passage in vivo 76
Vaccinia virus-induced deoxyribonucleases
1 Vesicular stomatitis virus
-, application of critical point dried whole cell technique 214
–infected simian cells, ribosomal proteins 8 Viral genomes, feline C-type, reiteration
frequency in host cell DNA 253 Virus(es) -, multicomponent, evaluation of sedimentation
coefficient ratios 16
shedding, SV40-transformed human cells 39
taxonomy, Togaviridae 129