

Contents

No. 1, 2006

Simultaneous English language translation of the journal is available from Allerton Press, Inc.
Molecular Genetics, Microbiology and Virology ISSN 0891-4168.

Review Article

Methods of Diagnosis and Differentiation of the Plague Pathogen:
Detection of Atypical Strains of *Yersinia pestis*
by Molecular Biological Methods (Part I)

A. L. Trukhachev and S. A. Lebedeva

1

Experimental Articles

Molecular Typing of Strains of *Burkholderia pseudomallei*
with Various Sensitivity to Antibiotics

D. V. Viktorov, I. B. Zakharova, L. K. Merinova, and V. V. Alekseev

6

SOS Induction in the Presence of the Plasmid pKM101
in Bacterial Cells of *Escherichia coli* K12

I. G. Tiganova, O. Yu. Rusina, and I. V. Andreeva

11

Molecular Genetic Characteristics of the Newcastle Disease Virus
Sterna/Astrakhan/2755/2001, Isolated in Russia

*E. V. Usachev, I. T. Fedyakina, M. Yu. Shchelkanov,
D. N. L'vov, A. G. Prilipov, and S. S. Yamnikova*

16

Production of Mini-antibodies Against the Virulence Protein VirE2
of *Agrobacterium tumefaciens* by the Method of Phage Display

V. A. Velikov, O. S. Ermoshina, I. V. Volokhina, and M. I. Chumakov

24

Changes in the Content of Trace Elements in MARC-145 Cells
after Their Infection with Virulent and Attenuated Strains
of Porcine Reproductive and Respiratory Syndrome Virus

*T. V. Grebennikova, I. S. Matveeva, M. I. Musienko,
A. D. Zaberezhnyi, and A. V. Syroeshkin*

28

Differentiation of Strains and Isolates of Chicken Reovirus
Using PCR and Heteroduplex Mobility Analysis in Amplified cDNA

D. B. Andreichuk, D. E. Mudrak, L. B. Khitrova, and V. V. Drygin

33

PCR Analysis of the HER-2 Gene Dosage Using an Internal Standard
in Samples of Human Breast Cancer Tumors

N. Yu. Matsenko and S. P. Kovalenko

37

Detection of Herpes Simplex Types 1 and 2 Viruses
Using the Polymerase Chain Reaction in Genital Herpes

M. A. Susloparov, I. M. Susloparov, T. Yu. Zagoruiko, N. V. Noskova, and N. M. Makhova

43
