

Contents

Vol. 70, No. 4, 2005

Simultaneous English language translation of the journal is available from Pleiades Publishing, Inc.
Distributed worldwide by Springer. *Biochemistry* (Moscow) ISSN 0006-2979.

Engl./Russ.

Accelerated Publication

Comparative Analysis of Transcription Profiles of *Helicobacter pylori* Clinical Isolates

*K. T. Momynaliev, S. I. Rogov, O. V. Selezneva,
V. V. Chelysheva, T. A. Akopian, and V. M. Govorun*

383 467

Reviews

Molecular Mechanisms of Hormonal Activity. II. Kinase Systems.
Systems with Intracellular Receptors. Transactivation of STS

V. I. Kulinsky and L. S. Kolesnichenko

391 476

Molecular Mechanisms of Epigenetics

N. A. Tchurikov

406 493

Possible Reasons for Difference in Sensitivity to Oxygen of Two *Escherichia coli* Strains

H. Semchyshyn, V. Lushchak, and K. Storey

424 514

Monomeric and Multimeric Blockers of Selectins:

Comparison of *in vitro* and *in vivo* Activity

*N. A. Ushakova, M. E. Preobrazhenskaya, M. I. Bird, R. Priest, A. V. Semenov,
A. V. Mazurov, N. E. Nifantiev, T. V. Pochechueva, O. E. Galanina, and N. V. Bovin*

432 523

Oscillatory Activity of P-Type Membrane Adenosine Triphosphatases: a Kinetic Model

B. N. Goldstein, A. A. Mayevsky, and D. T. Zakrjevskaya

440 533

Influence of Ca²⁺ Oscillatory Influx on Membrane Ca²⁺-ATPase Activity:
a Kinetic Model

B. N. Goldstein, A. A. Mayevsky, and D. T. Zakrjevskaya

445 539

Study of Applicability of the Bifunctional System "Ethidium Bromide + Hoechst-33258"
for DNA Analysis

V. S. Sibirtsev

449 545

Human Immunoglobulin Light Chains λ Form Amyloid Fibrils
and Granular Aggregates in Solution

*O. P. Bliznyukov, L. D. Kozmin, L. L. Vysotskaya, A. K. Golenkov,
V. M. Tishchenko, M. P. Samoylovich, and V. B. Klimovich*

458 556

Oxidase Reaction of the Hybrid Mn-Peroxidase of the Fungus *Panus tigrinus* 8/18

A. V. Lisov, A. A. Leontievsky, and L. A. Golovleva

467 568

Proposed Mechanism of Nitrite-Induced Methemoglobinemia

V. Yu. Titov and Yu. M. Petrenko

473 575

Book Reviews

Prokaryotic Genomics

A. V. Bogachev

484 588

COX-2 Inhibitors

G. F. Sud'ina

485 590
