

Contents

Vol. 71, No. 7, 2006

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

Engl./Russ.

Reviews

Protein Kinase C ζ and Glucose Uptake

Li-Zhong Liu, Ai-Bin He, Xiao-Jun Liu, Yi Li, Yong-Sheng Chang, and Fu-De Fang

701 869

Role of ApoE in Conformation-Prone Diseases and Atherosclerosis

A. D. Dergunov

707 876

Sphingolipids and Cell Signaling: Involvement in Apoptosis and Atherogenesis

O. M. Ipatova, T. I. Torkhovskaya, T. S. Zakharova, and E. M. Khalilov

713 882

Accelerated Publication

Does a Deficiency of the Signal Recognition Particle (SRP)-Pathway Affect the Biosynthesis of Its Components in *Saccharomyces cerevisiae* and *Escherichia coli*?

O. N. Kovalskaya (O. N. Avdeeva), P. V. Sergiev, A. A. Bogdanov, and O. A. Dontsova

723 894

On the Nature of Obligate Intracellular Symbiosis of Rickettsiae – *Rickettsia prowazekii* Cells Import Mitochondrial Porin

V. V. Emelyanov and M. Yu. Vyssokikh

730 902

Influence of Poly(ADP-ribose) Polymerase-1 and Its Apoptotic 24-kD Fragment on Repair of DNA Duplexes in Bovine Testis Nuclear Extract

M. V. Sukhanova, S. N. Khodyreva, and O. I. Lavrik

736 909

Analysis of Specificity of Antibodies against Synthetic Fragments of Different Neuronal Nicotinic Acetylcholine Receptor Subunits

I. V. Shelukhina, E. V. Kryukova, M. V. Skok, E. Yu. Lykhmus, M. N. Zhmak, D. Yu. Mordvintsev, I. E. Kasheverov, and V. I. Tsetlin

749 924

Influence of Lipopolysaccharides and Lipids A from Some Marine Bacteria on Spontaneous and *Escherichia coli* LPS-Induced TNF- α Release from Peripheral Human Blood Cells

E. V. Vorobeva, I. N. Krasikova, and T. F. Solov'eva

759 936

Mouse Retinal Progenitor Cell (RPC) Cocultivation with Retinal Pigment Epithelial Cell Culture Affects Features of RPC Differentiation

*I. V. Kholodenko, A. A. Buzdin, R. V. Kholodenko, J. A. Baibikova,
V. F. Sorokin, V. N. Yarygin, and E. D. Sverdlov*

767 945

Carbohydrate-Containing Polymers of the Cell Wall of the Thermophilic Streptomycete *Streptomyces thermoviolaceus* subsp. *thermoviolaceus* VKM Ac-1857^T

Yu. I. Kozlova, G. M. Streshinskaya, A. S. Shashkov, S. N. Senchenkova, and L. I. Evtushenko

775 954

Ion-Exchange Properties of Cell Walls of *Spinacia oleracea* L. Roots under Different Environmental Salt Conditions

N. R. Meychik, Yu. I. Nikolaeva, and I. P. Yermakov

781 961

Expression of Outer Mitochondrial Membrane Cytochrome *b₅* in *Escherichia coli*. Purification of the Recombinant Protein and Studies of Its Interaction with Electron-Transfer Partners

G. V. Sergeev, A. A. Gilep, R. W. Estabrook, and S. A. Usanov

790 972

Study of Active Site Topography of Rat Liver Mitochondrial Dicarboxylate Transporter Using Lipophilic Substrate Derivatives

D. V. Mamaev, D. A. Aliverdieva, D. I. Bondarenko, and K. F. Sholtz

800 984

Coexpression of All Constituents of the Cholesterol Hydroxylase/Lyase System in *Escherichia coli* Cells

T. V. Shashkova, V. N. Luzikov, and L. A. Novikova

810 996

Short Communications

Nickase and a Protein Encoded by an Open Reading Frame Downstream from the Nickase *BspD6I* Gene Form a Restriction Endonuclease Complex

A. K. Yunusova, E. A. Rogulin, R. I. Artyukh, L. A. Zheleznaya, and N. I. Matvienko

815 1002