

Table of Contents

Foreword	<i>IX</i>
Preface	<i>XI</i>
DNA glycosylases involved in the repair of oxidized bases in <i>Escherichia coli</i> <i>S. Boiteux</i>	<i>1</i>
Potential role of protein oxidation and proteasome in antigen processing <i>K.J.A. Davies</i>	<i>9</i>
Involvement of hydrogen peroxide in the actions of TGF β 1 <i>K. Nose, M. Ohba, M. Shibamura and T. Kuroki</i>	<i>21</i>
Oxidative stress and growth factor-mediated signal transduction <i>A. Stern</i>	<i>35</i>
Cellularly generated active oxygen species as signals in the activation of tumour cell growth <i>R.H. Burdon</i>	<i>43</i>
Effect of oxygen radicals on the IL-1 production by monocytes and IL-2 receptor expression in lymphocytes during primary and secondary immunodeficiency <i>I.B. Afanas'ev and L.G. Korkina</i>	<i>53</i>
The effect of reactive oxygen species (ROS) on human T and B lymphoid cells <i>B.M. Hannigan, S. Ranjbar and L. Cromie</i>	<i>59</i>
Leukocyte adhesion and endothelial cytokine production in hypoxia/reoxygenation <i>G. Modat, C. Bonne and J. Dornand</i>	<i>65</i>
Effects of antioxidants on IL-6 secretion induced by IL-1 in human cultured lung fibro- blasts. Involvement of NF κ B <i>M. Raes, P. Renard, E. Bosmans, E. Delaive and J. Remacle</i>	<i>77</i>
Hydrogen peroxide-induced synthesis of the 32kDa stress protein (HO-1) in endothelial cells is serum dependent <i>V.R. Winrow, A. Watson, S.L. Harley and D.R. Blake</i>	<i>91</i>
The antioxidant effects of glutathione and ascorbic acid <i>A. Meister</i>	<i>101</i>
Structural consequences of NF- κ B inhibition by natural antioxidants: α -lipoic acid and vitamin E <i>L. Packer and Y.J. Suzuki</i>	<i>113</i>

d- α -tocopherol and cell proliferation <i>A. Azzi, D. Boscoboinik, E. Chatelain, N.K. Özer and B. Stäuble</i>	131
Effects of intracellular redox status on cellular regulation and viral infection <i>G. Rotilio, L. Knoepfel, C. Steinkuhler, A.T. Palamara, M.R. Ciriolo and E. Garaci</i>	143
Mechanisms of regulation of cell growth by cytokines of the immune system <i>B.B. Aggarwal and K. Totpal</i>	155
Oxidization of human low density lipoproteins measured by Laser Doppler electrophoresis <i>D. Bonnefont-Rousselot, B. Arrio, J. Catudioc and L. Packer</i>	165
Selective modulation of brain antioxidant defense capacity by genetic or metabolic manipulations <i>M. Merad-Boudia, L. Fideler, A. Nicole, B. Aral, P.M. Sinet, P. Briand and I. Ceballos-Picot</i>	173
Protective effect of Poly(A)-poly(U) against immune oxidative injury. Role of thiols released by activated macrophages <i>M. Fay, M. Jampy-Fay, K. Akarid and M.A. Gougerot-Pocidalò</i>	193
Reactive oxygen, antioxidants, and autotoxicity in viral diseases <i>E. Peterhans</i>	203
Redox control of gene expression by eukaryotic transcription factors NF- κ B, AP-1 and SRF/TCF <i>M. Meyer, R. Schreck, J.M. Müller and P.A. Baeuerle</i>	217
Redox mechanisms in Tcell activation <i>N.H. Hunt, D.M. van Reyk, J.C. Fragonas, T.M. Jeitner and S.D. Goldstone</i>	237
Implication of oxydative phenomena in Tcell activation <i>M. Gerber and J. Dornand</i>	253
Intracellular damages induced by singlet oxygen are signals for HIV-1 reactivation <i>S. Legrand-Poels and J. Piette</i>	275
Abnormal redox regulation in HIV infection and other immunodeficiency diseases <i>W. Dröge, H.P. Eck, S. Mihm and D. Galter</i>	285
Influence of redox status of lymphocytes and monocytes on HIV expression and immune functions. Evaluation in vitro of antioxidant molecules as potential anti-HIV therapy <i>N. Israël, M.-A. Gougerot-Pocidalò, F. Aillet, and J.-L. Virelizier</i>	301
Place for an antioxidant therapy in human immunodeficiency virus (HIV) infection <i>S. Baruchel, G. Bounous, P. Gold</i>	311
Prevention of early cell death in peripheral blood lymphocytes of HIV infected individuals by an antioxidant: N-Acetyl-cysteine <i>R. Olivier, O. Lopez, M. Mollereau, T. Dragic, D. Guetard and L. Montagnier</i>	323
Alcanes measurements in human immunodeficiency virus infection <i>E. Postaire, L. Massias, O. Lopez, M. Mollereau and G. Hazebroucq</i>	333

Plasma antioxidant status (selenium, retinol and α -tocopherol) in HIV infection <i>C. Sergeant, M. Simonoff, C. Hamon, E. Peuchant, M.F. Dumon, M. Clerc, M.J. Thomas, J. Constans, C. Conri, J.L. Pellegrin, B. Leng</i>	341
Author index	353
Keyword index	355