OSSIDAZIONE, PEROSSIDAZIONE E RIDUZIONE

Addaya S, Chakravarti K, Basu A, Santra M, Haldar S, Chatterjee GC Effects of mercuric chloride on several scavenging enzymes in rat kidney and influence of vitamin E supplementation Acta Vitaminol Enzymol 6 1984 103-7 (R25)

Albro PW, Corbett JT & Schroeder JL Generation of hydrogen peroxide by incidental metal ion-catalyzed autooxidation of glutathione J Inorg Biochem 27 1986 191-203 (AA68)

Bem EM, Mailer K, Elson CM Influence of mercury(II), cadmium(II), methylmercury and phenylmercury on the kinetic properties of rat liver glutathione peroxidase Can J Biochem Cell Biol 63 1985 1212-1216 (Z56)

Borar D Some reducing actions of mercury J Chem Soc XCIX 1911 1414-6 (V17)

Clarkson T & Rothstein A The excretion of volatile mercury by rats injected with mercury salts Hlth Phys 10 1964 1115-21 (B10)

Dunn JD, Clarkson TW, Magos L Ethanol reveals novel mercury detoxification step in tissues Science 213 1981 1123-5 (D16)

Dunn JD, Clarkson TW, Magos L Ethanol-increased exhalation of mercury in mice Br J Industr Med 35 1978 241-4 (S14)

Dunn JD, Clarkson TW, Magos L Interaction of ethanol and inorganic mercury: generation of mercury vapor in vivo J pharmacol Exp ther 216 1981 19-23 (S17)

Eide I & Syversen TLM Relationship between catalase activity and uptake of elemental mercury by rat brain Acta Pharmacol toxicol 52 1983 217-23 (N13)

Eide I & Syversen TLM Uptake of elemental mercury and activity of catalase in rat, hamster, guinea-pig, normal and acatalasemic mice Acta Pharmacol toxocol 51 1982 371-6 (N12)

Eide I & Syversen TLM Uptake of elemental mercury by brain in relation to concentration of glutathione and activity of glutathione peroxidase Toxicol Lett 17 1983 209-13 (N41)

Fukino H, Hirai M, Hsueh YM, Yamane Y Effect of zinc pretreatment on mercuric chloride-induced lipid peroxidation in the rat kidney Toxicol Appl Pharmacol 73 1984 395-01 (V56)

Gstraunthaler G, Pfaller W, Kotanko P Glutathione depletion and in vitro lipid peroxidation in mercury or maleate induced acute renal failure Biochem

Pharmacol 32 1983 2969-72 (N17)

Guillard O & Lauwerys R In vitro and in vivo effect of mercury, lead and cadmium on the generation of chemiluminiscence by human whole blood Biochem Pharmacol 38 1989 2819-2823 (Z28)

Halbach S & Clarkson TW Enzymatic oxidation of mercury by erythrocytes BBA 523 1978 522-31 (S7)

Halbach S, Ballatori N, Clarkson TW Mercury vapor uptake and hydrogen peroxide detoxification in human and mouse red blood cells Toxicol Appl Pharmacol 96 1988 517-524 (Z36)

Halbach S Limitations on the uptake of mercury vapor by human erythrocytes in a closed exposure system J Appl Toxicol 1 1981 303-7 (S6)

Hornberger W & Patschke H Hydrogen peroxide and methyl mercury are primary stimuli of eicosanoid release in human platelets J Clin Chem Clin Biochem 27 1989 567-75 (AB34)

Hursch JB, Sichak SP, Clarkson TW In vitro oxidation of mercury by the blood Pharmacol & Toxicol 63 1988 266-73 (Y28)

Hursh JB, Greenwood MR, Clarkson TW, Allen J, Demuth S The effect of ethanol on the fate of mercury vapor inhaled by man J Pharmacol Exp Ther 214 1980 520-7 (S22)

Ichikawa H, Ronowicz K, Hicks M, Gebicki JM Lipid peroxidation is not the cause of lysis of human erythrocytes exposed to inorganic or methylmercury Arch Biochem Biophys 259 1987 46-51 (X32)

Kling LJ & Soares JH The effect of mercury and vitamin E on tissue glutathione peroxidase activity and thiobarbituric acid value Poultry Science 61 1982 1762-5 (R30)

Kosmider S & Dabrowski Z Catalase activity of the red blood cells, brain and liver in experimental poisoning with metallic mercury Arch Immun Ther Exp 14 1966 74-8 (X6)

Magos L, Sugata Y, Clarkson TW Effects of 3-amino-1,2,4-triazole on mercury uptake by in vitro human blood samples and by whole rats Toxicol Appl Pharmacol 28 1974 367-73 (S20)

Magos L, halbach S, Clarkson TW Role of catalase in the oxidation of mercury vapor Biochem Pharmacol 27 1978 1373-7 (S19)

Magos L, Clarkson TW, Greenwood MR The depression of pulmonary retention of mercury vapor by ethanol: identification of the site of action Toxicol Appl pharmacol 26 1973 180-3 (S16)

McCay LRW & Anderson WTJr The reduction of solutions of ferric salts with

mercury J Am Chem Soc 43 1921 2372-8 (V12)

Menke R & Wallis G Detection of mercury in air in the presence of chlorine and water vapor Am Ind Hyg Ass J 41 1980 120-4 (V5)

Morita H, Mitsuhashi T, Sakurai H, Shimomura S Absorbtion of mercury by solutions containing oxidants Anal Chim Acta 153 1983 351-5 (U31)

Mykkanen HM & Ganther HE Effect of mercury on erythrocyte glutathione reductase activity. In vivo and in vitro studies Bull Env Contam Toxicol 12 1974 10-6 (R32)

Nazhat NB & Asmus K-D Reduction of mercuric chloride by hydrated electrons and reducing radicals in aqueous solutions. Formation and reactions of HgCl J Phys Chem 77 1973 614-20 (S10)

Nielsen Kudsk F Uptake of mercury vapour in vivo and in vitro from Hgcontaining air Acta Pharmacol Toxicol 27 1969 149-60 (Q27a)

Nielsen Kudsk F Factors influencing the in vitro uptake of mercury vapour in blood F Acta Pharmacol Toxicol 27 1969 161-72 (Q27b)

Nielsen Kudsk F Absorbtion of mercury vapor from the respiratory tract in man Acta Pharmacol Toxicol 23 1965 250-62 (Q28a)

Nielsen Kudsk F The influence of ethyl alcohol on the absorption of mercury vapour from the respiratory tract in man Acta Pharmacol Toxicol 23 1965 263-74 (Q28b)

Nielsen Kudsk F & Schou M Mercury content of medicinal lithium preparations J Pharm Pharmac 29 1977 776-777 (AA53)

Ogata M & Aikoh H The oxidation of metallic mercury by catalase in relation to acatalasemia Industr Hlth 21 1983 219-30 (N31)

Ogata M & Ikeda H Mechanism of metallic mercury oxidation in vitro by catalase and peroxidase Biochem Pharmacol 33 1984 490-3 (S24)

Ogata M & Ikeda M Mercury uptake by acatalasemia mice and their erythrocytes, lung and liver homogenates Int Arch Occup Env Hlth 41 1978 87-93 (S21)

Ogata M & Meguro T Foetal distribution of inhaled mercury vapor in normal and acatalsemic mice Physiol Chem Phys Med NMR 18 1986 165-70 (X49)

Ogata M, Kenmotsu K, Hirota N, Meguro T, Aikoh H Mercury uptake in vivo by normal and acatalasemic mice exposed to metallic mercury vapor (203Hg) and injected with metallic mercury or mercuric chloride (203HgCl2) M et al Arch Environm Hlth 40 1985 151-4 (Q10)

Ogata M, Kenmotsu K, Hirota N, Meguro T, Aikoh H Reduction of mercuric

ion and exhalation of mercury in acatalasemic and normal mice Arch Env Hlth 42 1987 26-30 (X33)

Paller MS Free radical scavengers in mercuric chloride-induced acute renal failure in the rat J Lab clin Med 105 1985 459-63 (Q5)

Reddy CC, Scholz RW, Massaro EJ Cadmium, methylmercury, mercury and lead inhibition of calf liver glutathione S-transferase exhibiting selenium-independent glutathione peroxidase activity Toxicol Appl Pharmacol 61 1981 460-8 (M30)

Ribarov S, Benov L, Benchev I, Monovich O, Markova V Hemolysis and peroxidation in heavy metal-treated erythrocytes: GSH content and activities of some protecting enzymes Experientia 38 1982 1354-5 (X30)

Ribarov SR & Benov LC Relationship between the hemolytic action of heavy metals and lipid peroxidation BBA 640 1981 721-6 (R36)

Ribarov SR, Benov LC, Marcova VI, Benchev IC Hemoglobin-catalyzed lipid peroxidation in the presence of mercuric chloride Chem-biol Interact 45 1983 105-112 (R34)

Ribarov SR, Benov LC, Benchev IC HgCl2 increases the methemoglobin prooxidant activity. Possible mechanisms of Hg2+ induced lipid peroxidation in erythrocytes Chem-biol Interact 50 1984 111-9 (R35)

Ridlington JW & Whanger PD Interaction of selenium and antioxidants with mercury, cadmium and silver Fund Appl Toxicol 1 1981 368-375 (AA19)

Stacey NA & Klaassen CD Comparison of the effects of metals on cellular injury and lipid peroxidation in isolated rat hepatocytes J Toxicol Env Hlth 7, 1981, 139-47 (R1)

Stacey NH & Kappus H Cellular toxicity and lipid peroxidation in response to mercury Toxicol Appl Pharmacol 63 1982 29-35 (M22)

Sugata Y & Clarkson TW Exhalation of mercury - further evidence for an oxidation-reduction cycle in mammalian tissues Biochem Pharmacol 28 1979 3474-6 (S15)

Sunderman FW Metals and lipid peroxidation Acta Pharmacol Toxicol 59 suppl 7 1986 248-255 (AB21)

Suzuki T, Shishido S, Ishihara N Interaction of inorganic to organic mercury in their metabolism in human body Int Arch Occup Environm Hlth 38 1976 103-13 (J13)

Toibana E Ohnishi R, Fujimoto Y & Fujito T Effect of mercurials on lipid peroxidation in rabbit renal cortical mitochondria Jap J Pharmacol 33 1983 1279-81 (U29)

Veltman JC & Maines MD Alterations of heme, cytochrome P-450 and steroid metabolism by mercury in rat adrenal Arch Biochem Biophys 248 1986 467-78 (V50)

Vlasova ME, Berezovskaya IV & Petrova LI The leukocyte enzymic spectrum and kinetics of blood plasma lipid peroxidation products as criteria of the severity of poisoning Lab Delo 12 1985 713-6 (AA75)

Wigfield DC & Tse S The mechanism of biooxidation of mercury J Appl Toxicol 6 1986 73-4 (S18)

Wright JR, Rumbaugh RC, Colby HD, Miles PR The relationship between chemiluminiscence and lipid peroxidation in rat hepatic microsomes Arch Biochem Biophys 192 1979 344-51 (U28)

Yonaha M, Itoh E, Ohbayashi Y, Uchiyama M Induction of lipid peroxidation in rats by mercuric chloride Res Comm Chem Pathol Pharmacol 28 1980 105-12 (J33)

Utley HG, Bernheim F, Hochstein P Effect of sulfhydryl reagents on peroxidation in microsomes Arch Biochem Biophys 118 1967 29-32 (AF12)

Barregård L, Thomassen Y, Marklund SL Levels of selenium and antioxidative enzymes following occupational exposure to inorganic mercury Sci Total Envir 99 1990 37-47 (AG12)

Thiol antidotes effect on lipid peroxidation in mercury-poisoned rats Benov LC, Benchev IC, Monovich OH Chem-biol Interact 76 1990 321-32 (AH8)

The oxidation of mercury(I) by ozone in acidic aqueous solutions McElroy WJ & Munthe J Acta Chem Scand 45 1991 254-7 (AH36)

A spin label study of the action of cupric and mercuric ions on human red blood cells Gwozdinski K Toxicol 65 1991 315-323 (AH53)

Effect of thiol reagents and ionizing radiation on the permeability of erythrocyte membrane for spin-labeled non-electrolytes Gwozdzinski K, Bartosz G & Leyko W Radiat Env Biophys 22 1983 53-9 (AH63)

Evidence suggesting direct oxidation of human erythrocyte membrane sulfhydryls by copper Salhany JM, Swanson JC, Cordes KA, Gaines SB, Gaines KC Biochem Biophys Res Comm 82 1978 1294-9 (AH64)

Effect of transition metal ions on lipid peroxidation of rabbit renal cortical mitochondria Fujimoto Y, Maruta S, Yoshida A, Fujita T Res Comm Chem Pathol Pharmacol 44 1984 495-8 (AJ6)

Cellular glutathione as a determinant of sensitivity to mercuric chloride toxicity. Prevention of toxicity by giving glutathione monoester Naganuma A, Anderson ME & Meister A Biochem Pharmacol 40 1990 693-7 (AJ7)

Ogata M & Aikoh H Mercury uptake by ferritin Industr Hlth 19 1981 215-7 (AJ10)

Ogata M, Ikeda M & Sugata Y In vitro mercury uptake by human acatalasemic erythrocytes Arch Envir Hlth 34 1979 218-21 (AJ55)

Bansal AK, Bhatnagar D, Bhardwaj R Lipid peroxidation and activities of antioxygenic enzymes in vitro in mercuric chloride treated human erythrocytes Bull Env Cont Tox 48 1992 89-94 (AL9)

Lund B-O, Miller DM, Woods JS Mercury-induced H2O2 production and lipid peroxidation in vitro in rat kidney mitochondria Biochem Pharmacol 42 1991 S181-7 (AL10)

Degradation of Methyl and Ethyl Mercury into Inorganic Mercury by Other Reactive Oxygen Species Besides Hydroxyl Radical. Suda I; Takahashi H Archives of Toxicology; 66 (1) p34-39 JAN 1992 (AM14)

Degradation of Methyl and Ethyl Mercury into Inorganic Mercury by Various Phagocytic Cells. Suda I; Totoki S; Uchida T; Takahashi H Archives of Toxicology; 66 (1) p40-44 JAN 1992 (AM15)

Ferromagnetic behaviour of mercury - A study using electroanalytical methods Renuka A & Shakunthala K Bull Electrochemistry 6 1990 546-549 (AM16)

Deferoxamine Inhibits Methyl Mercury-Induced Increases in Reactive Oxygen Species Formation in Rat Brain. Lebel CP; Ali SF; Bondy SC Toxicology and Applied Pharmacology; 112 (1) p161-165 JAN 1992 (AM26)

Antiperoxidative Mechanisms Offered by Selenium Against Liver Injury Caused by Cadmium and Mercury in Rat. Rana SVS; Boora PR Bulletin of Environmental Contamination and Toxicology; 48 (1) p120-124 JAN 1992 (AN12)

Experimentally Induced Lipid Peroxidation After Exposure to Chromium, Mercury or Silver - Interactions with Carbon Tetrachloride. Rungby J; Ernst E Pharmacology & Toxicology; 70 (3) p205-207 MAR 1992 (AN16)

Degradation of methyl and ethyl mercury into inorganic mercury by hydroxyl radical produced from rat liver microsomes Suda I & Hirayama K Arch Toxicol 66 1992 398-402 (AN29)

The Comparison of the Effects of Heavy Metal Ions on the Antioxidant Enzyme Activities in Human and Fish Dicentrarchus-Labrax Erythrocytes. Gwozdzinski K; Roche H; Peres G Comparative Biochemistry and Physiology C - Comparative Pharmacology and Toxicology; 102 (1) p57-60 MAY 1992 (AN55)

Lung and blood superoxide dismutase activity in mercury vapor exposed rats - effect of N-acetylcysteine treatment Livardjani F, Ledig M, Kopp P, Dahlet M,

Leroy M, Jaeger A Toxicol 66 1991 289-95 (AP19)

Redox-Linked Ligand-Independent Cell Surface Triggering for Extensive Protein Tyrosine Phosphorylation. Rahman SMJ; Pu MY; Hamaguchi M; Iwamoto T; Isobe K; Nakashima I FEBS Letters; 317 (1-2) p35-38 FEB 8 1993 (AQ27)

DNA Single-Strand Breaks and Cytotoxicity Induced by Sodium Chromate(VI) in Hydrogen Peroxide-Resistant Cell Lines. Sugiyama M; Tsuzuki K; Haramaki N Mutation Research; 299 (2) p95-102 APR 1993 (AQ29)

Studies on Hg(II)-Induced H2O2 Formation and Oxidative Stress Invivo and Invitro in Rat Kidney Mitochondria. Lund BO; Miller DM; Woods JS Biochemical Pharmacology; 45 (10) p2017-2024 MAY 25 1993 (AR5)

Degradation of methyl and ethyl mercury by singlet oxygen generated from sea water exposed to sunlight or ultraviolet light Suda I, Suda M & Hirayama K Arch Toxicol 67 1993 365-68 (AR21)

Redox Activities of Mercury-Thiol Complexes - Implications for Mercury-Induced Porphyria and Toxicity. Miller DM; Woods JS Chemico - Biological Interactions; 88 (1) p23-35 JUL 1993 (AR41)

Methyl Mercury, Mercuric Chloride, and Silver Lactate Decrease Superoxide Anion Formation and Chemotaxis in Human Polymorphonuclear Leucocytes. Obel N; Hansen B; Christensen MM; Nielsen SL; Rungby J Human & Experimental Toxicology; 12 (5) p361-364 1993 (AS1)

Reactivity of Hg(II) with Superoxide - Evidence for the Catalytic Dismutation of Superoxide by Hg(II). Miller DM; Lund BO; Woods JS Journal of Biochemical Toxicology; 6 (4) p293-298 WIN 1991 (AS26)

Mercury uptake in vitro by iron compounds, proteins (albumin or globulin), with or withous hydrogen peroxide Ogata M et al Ind Hlth 19 1981 211 (AS42)

Levels of metallic mercury and mercuric ion in the venous and arterial bloods of normal and acatalasemic mice following exposure to mercury vapor Aikoh H & Ogata M Physiol Chem Phys Med NMR 20 1988 177 (AS43)

Uptake of metallic mercury and mercuric ion by human erythrocytes Ogata M et al Physiol Chem Phys Med NMR 22 1990 135 (AS44)

Organ distribution of mercury vapor inhaled by acatalasemia and hypocatalasemia mice Ogata M et al Ind Hlth 19 1981 241 (AS45)

Effects of Dietary alpha-Tocopherol and beta-Carotene on Lipid Peroxidation Induced by Methyl Mercuric Chloride in Mice. Andersen HR; Andersen O Pharmacology & Toxicology; 73 (4) p192-201 1993 (AT19)

Impaired Invitro Accumulation of Mercury in Erythrocytes of Acatalasemic

Mice. Yamamoto H; Ishii K; Meguro T; Taketa K; Ogata M Acta Medica Okayama; 46 (2) p67-73 1992 (AS27)

An Insect Model for Assessing Mercury Toxicity - Effect of Mercury on Antioxidant Enzyme Activities of the Housefly (Mucsa Domestica) and the Cabbage Looper Moth (Trichoplusia Ni). Zaman K; Macgill RS; Johnson JE; Ahmad S; Pardini RS Archives of Environmental Contamination and Toxicology; 26 (1) p114-118 JAN 1994 (AU19)

Phagocytic Cells as a Contributor to In Vivo Degradation of Alkyl Mercury. Suda I; Suda M; Hirayama K Bulletin of Environmental Contamination and Toxicology; 51 (3) 394-400 1993 (AU49)

Heavy Metal-Induced Cytotoxicity to Cultured Human Epidermal Keratinocytes and Effects of Antioxidants. Kappus H; Reinhold C Toxicology Letters; 71 (2) p105-109 APR 1994 (AX27)

Role of cellular antioxidants in metal-induced damage Sugiyama M Cell Biol Toxicol 10 1994 1-22 (AX42)

Cross-resistance to heavy metals in hydrogen peroxide-resistant CHO cell variants. Cantoni O; Hussain S; Guidarelli A; Cattabeni F Mutation Research; 324 (1-2) p1-6 JUN 1994 (AY5)

Mechanistic steps in the photoreduction of mercury in natural waters Nriagu JO Sci Total Environm 154 1994 1-8 (AY26)

Use of methyl prednisolone and antioxidants in mercuric chloride-induced experimental vasculitis. Qasim FJ; Mathieson PW; Thiru S; Oliveira DBG Clinical and Experimental Immunology; 98 (1) 66-70 OCT 1994 (AZ8)

bcl-2 expression decreases methyl mercury-induced free-radical generation and cell killing in a neural cell line Sarafian TA, Vartavarian L, Kane DJ, Bredesen DE, Verity MA Toxicol Lett 74 1994 149-55 (AZ10)

Inhibitory effect of cysteine and methionine on free radicals induced by mercury in red blood cells of patients undergoing haemodialysis. Mateo MCM; Aragon P; Prieto MP Toxicology in Vitro; 8 (4) p597-599 AUG 1994 (AZ12)

Methylmercury poisoning induces oxidative stress in the mouse brain. Yee S; Choi BH Experimental and Molecular Pathology; 60 (3) p188-196 1994 (AZ21)

The electrophile counterattack response: protection against neoplasia and toxicity Prestera T, Zhang Y, Spencer SR, Wilczak CA, Talalay P Adv Enzyme Regulation 33 1993 281-96 (BA11)

Oxidative mechanisms in the toxicity of metal ions. Stohs SJ; Bagchi D Free Radical Biology and Medicine; 18 (2) p321-336 FEB 1995 (BB3)

Effects of mercuric chloride on chemiluminescent response of phagocytes and

tissue lysozyme activity in tilapia, Oreochromis aureus. Low KW; Sin YM Bulletin of Environmental Contamination and Toxicology; 54 (2) p302-308 FEB 1995 (BB9)

Stimulation of elemental mercury oxidation by SH compounds. Yamamoto M; Hou H; Nakamura K; Yasutake A; Fujisaki T; Nakano A Bulletin of Environmental Contamination and Toxicology; 54 (3) p409-413 MAR 1995 (BB13)

Activity of Antioxidative Enzymes in Erythrocytes and Concentration of Selenium in Plasma Related to Mercury Exposure. Bjorkman L; Langworth S; Lind B; Elinder CG; Nordberg M Journal of Trace Elements and Electrolytes in Health and Disease; 7 (3) p157-164 1993 (BB19)

Degradation of methyl and ethyl mercury into inorganic mercury by oxygen free radical-producing systems - involvement of hydroxyl radical Suda I et al Arch Toxicol 65 1991 129 (BB51)

Exhalation of metallic mercury by acatalasemic, hypocatalasemic and normal mice exposed to metallic mercury vapor Meguro T & Ogata M Physiol Chem Phys Med NMR 23 1991 21 (BC1)

Heavy Metals and Lipofuscinogenesis - A Study on Myocardial Cells Cultured Under Varying Oxidative Stress. Marzabadi MR; Jones CB Mechanisms of Ageing and Development; 66 (2) p159-171 1992 (BC2)

Reactive Oxygen Species Formation as a Biomarker of Methylmercury and Trimethyltin Neurotoxicity. Ali SF; Lebel CP; Bondy SC Neurotoxicology; 13 (3) p637-648 FAL 1992 (BC4)

Stimulating Effects of Mercuric and Silver Ions on the Superoxide Anion Production in Human Polymorphonuclear Leukocytes. Jansson G; Harmsringdahl M Free Radical Research Communications; 18 (2) p87-98 1993 (BC5)

Mercuric chloride effects on rat renal redox enzymes activities: SOD protection. Girardi G; Elias MM Free Radical Biology and Medicine; 18 (1) p61-66 JAN 1995 (BD11)

Evidence of redox-linked signaling for producing a giant signal complex. Katano Y; Pu MY; Akhand AA; Hamaguchi M; Koga Y; Isobe K; Fukuda Y; Hayakawa T; Nakashima I Journal of Cellular Biochemistry; 57 (3) p432-439 MAR 1995 (BD36)

Effects of buthionine sulfoximine (BSO) on mercury distribution after Hg0 exposure Kim C-Y, Watanabe C & Satoh H Toxicol 98 1995 67-72 (BD59)

Prophylaxis of antioxidants against the genotoxicity of methyl mercuric chloride and maleic hydrazide in Allium micronucleus assay. Panda BB; Subhadra AV; Panda KK Mutation Research - Genetic Toxicology; 343 (2-3)

p75-84 JUN 1995 (BE29)

A possible path for mercury in biological systems: the oxidation of metallic mercury by molecular oxygen in aqueous solutions Afonso de Magalhaes ME & Tubino M Sci Total Environm 170 1995 229-239 (BF3)

In vitro effect of mercuric chloride and sodium selenite on chemiluminescent response pronephros cells isolated from Tilapia, Oreochromis aureus. Low KW; Sin YM Bulletin of Environmental Contamination and Toxicology; 55 (6) p909-915 DEC 1995 (BF26)

Principal reactions of airborne mercury, ozone and some other microcomponent in pure water or very dilute sulfuric acid Brosset C & Lord E Water Air Soil Pollut 81 1995 241-264 (BF37)

Up-regulation of glutathione synthesis in rat kidney by methyl mercury-Relationship to mercury-induced oxidative stress. Woods JS; Ellis ME Biochemical Pharmacology; 50 (10) p1719-1724 NOV 9 1995 (BF67)

Catalase and superoxide dismutase activities as biomarkers of oxidative stress in workers exposed to mercury vapors. Perrinnadif R; Dusch M; Koch C; Schmitt P; Mur JM Journal of Toxicology and Environmental Health; 48 (2) p107-119 JUN 7 1996 (BH38)

Oxidative stress in neurotoxic effects of methylmercury poisoning. Yee S; Choi BH Neurotoxicology; 17 (1) p17-26 SPR 1996 (BJ4)

Apparent formation of an oxidant by electrochemical reduction in the mercury(O,I,II) chloride system. Jagner D; Sahlin E; Renman L Analytical Chemistry; 68 (9) p1616-1622 MAY 1 1996 (BJ16)

Lipid peroxidation in liver of rats administrated with methyl mercuric chloride. Lin TH; Huang YL; Huang SF Biological Trace Element Research; 54 (1) p33-41 JUL 1996 (BJ35)

Renal oxidant injury and oxidant response induced by mercury. Nath KA; Croatt AJ; Likely S; Behrens TW; Warden D Kidney International; 50 (3) p1032-1043 SEP 1996 (BJ60)

Organometal-induced increases in oxygen reactive species: The potential of 2',7'-dichlorofluorescin diacetate as an index of neurotoxic damage. LeBel CP, Ali SF, McKee M, et al. 1990. Toxicol Appl Pharmacol 104: 17-34. (BM1)

Superoxide dismutase, glutathione peroxidase, and glutathione reductase in sheep organs. Holovska K; Lenartova V; Pedrajas JR; Peinado J; Lopezbarea J; Rosival I; Legath J Comparative Biochemistry and Physiology B - Biochemistry & Molecular Biology; 115 (4) p451-456 DEC 1996 (BM6)

Evidence of a novel redox-linked activation mechanism for the Src kinase which is independent of tyrosine 527- mediated regulation. Pu MY; Akhand AA; Kato M; Hamaguchi M; Koike T; Iwata H; Sabe H; Suzuki H; Nakashima

I Oncogene; 13 (12) p2615-2622 DEC 19 1996 (BM7)

Alterations in intracellular reactive oxygen species generation and redox potential modulate mast cell function. Wolfreys K; Oliveira DBG European Journal of Immunology; 27 (1) p297-306 JAN 1997 (BM12)

Copper ions differ from other thiol reactive metal ions in their effects on the concentration and redox status of thiols in HeLa cell cultures Hultberg B, Andersson A, Isaksson A Toxicol 117 1997 89-97 (BN11)

An insect model for assessing mercury toxicity: effect of mercury on antioxidant enzyme activities of the housefly (Musca domestica) and the cabbage looper moth (Trichoplusia ni) Zaman K, MacGill RS, Johnson JE, Ahmad S & Pardini RS Arch Envir Contam Toxicol 26 1994 114-118 (BN22)

Mercury induced time-dependent alterations in lipid profiles and lipid peroxidation in different body organs of cat-fish Heteropneustes fossilis Bano Y & Hasan M J Envir Sci Hlth B24 1989 145 (BN43)

Thimerosal attenuates ischaemia-reperfusion arrhythmias in rats: No modification by anti-ischaemic agent trimetazidine or endothelin receptor antagonist bosentan. Iskit AB; Guc MO Pharmacological Research; 34 (1-2) p17-23 JUL-AUG 1996 (BO8)

A theoretical study of mercury photosensitized reactions. Siegbahn PEM; Svensson M; Crabtree RH Journal of the American Chemical Society; 117 (25) p6758-6765 JUN 28 1995 (BO19)

Metal-induced hydroxyl radical generation by Cu+- metallothioneins from LEC rat liver. Nakamura M; Nakayama K; Shishido N; Yumino K; Ohyama T Biochemical and Biophysical Research Communications; 231 (3) p549-552 FEB 24 1997 (BP14)

Lipid peroxidation in rats administrated with mercuric chloride. Huang YL; Cheng SL; Lin TH Biological Trace Element Research; 52 (2) p193-206 MAY 1996 (BS38)

Copper ions differ from other thiol reactive metal ions in their effects on the concentration and redox status of thiols in HeLa cell cultures. Hultberg B; Andersson A; Isaksson A Toxicology; 117 (2-3) p89-97 FEB 28 1997 (BT21)

Effect of heavy metals on lipid peroxidation in the Mediterranean clam Ruditapes decussatus. Romeo M; Gnassiabarelli M Comparative Biochemistry and Physiology C - Pharmacology Toxicology & Endocrinology; 118 (1) p33-37 SEP 1997 (BT46)

Post-transcriptional elevation of mouse brain Mn-SOD protein by mercuric chloride. Kumagai Y; Mizukado S; Nagafune J; Shinyashiki M; Hommatakeda S; Shimojo N Brain Research; 769 (1) p178-182 SEP 19 1997 (BT62)

Mercuric compounds inhibit human monocyte function by inducing apoptosis:

evidence for formation of reactive oxygen species, development of mitochondrial membrane permeability transition and loss of reductive reserve Insug O, Datar S, Koch CJ, Shapiro IM, Shenker BJ Toxicol 124 1997 211-224 (BU33)

Mercuric chloride-induced reactive oxygen species and its effect on antioxidant enzymes in different regions of rat brain. Hussain S; Rodgers DA; Duhart HM; Ali SF J Environ Sci Health B 1997 May;32(3):395-409 (CB36)

In vitro oxidation of mercury by the blood. Hursh JB; Sichak SP; Clarkson TW Pharmacol Toxicol 1988 Oct;63(4):266-73 (CD8)

In vitro and in vivo effect of mercury, lead and cadmium on the generation of chemiluminescence by human whole blood. Guillard O; Lauwerys R Biochem Pharmacol 1989 Sep 1;38(17):2819-23 (CD10)

The copper- and zinc-containing superoxide dismutase from Escherichia coli: molecular weight and stability. Benov L; Sage H; Fridovich I Arch Biochem Biophys 1997 Apr 15;340(2):305-10 (CD62)

Urinary porphyrins as biological indicators of oxidative stress in the kidney. Interaction of mercury and cephaloridine. Miller DM; Woods JS Biochem Pharmacol 1993 Dec 14;46(12):2235-41 (CD70)