

Multi-Electrode Detection - Oxidative Metabolism

- 61 *Identification and determination of phenolic constituents in natural beverages and plant extracts by means of a coulometric electrode array system.* G.Achilli, G.P.Cellerino, P.H.Gamache, G.Vico Melzi d'EriI. *Journal of Chromatography* 632 (1993) 111-117
- Oui
- 64 *Monitoring drug levels and their effects on transmitter release in vivo: utility of HPLC ARRAY-ECD analysis and microdialysis sampling procedures.* I.Acworth, K.Gariepy, P. Gamache, J. Yu, E. Ryan, K. Hull, T. Mayer. *Presented at the 44th Pittsburg Confere*
- Oui
- 65 *The effects of hydralazine and nitroprusside on striatal monoamine and amino acid neurotransmitter systems: simultaneous measurement of drug, neurochemicals, and metabolites in microdialysis perfusates.* I.Acworth, P. Gamache, J. Yu, E. Ryan and T. Maher.
- Oui
- 69 *In vivo neurochemistry of the conscious human brain : intrahippocampal microdialysis in epilepsy.* Matthew J. During. *Microdialysis in the neurosciences* 1991 Chap 19, p 425-443.
- Oui
- 98 *Oxidative Damage to Mitochondrial DNA Shows Marked Age-dependent Increases in Humain Brain.* P. Mecocci, A. Kaufman, D. Koontz, J. Shoffner, D. Wallace and M. Flint Beal. *Annals of Neurology* 1993, Vol 34, p 609-616.
- Oui
- 99 *In Vivo Oxydative DNA Damage: Measurement of 8-Hydroxy-2' -deoxyguanosine in DNA and Urine by High Performance Liquid Chromatography with Electrochemical Detection.* M. Shigenaga, J-W. Park, K.C. Cundy, C.J. Gimeno and B.N. Ames. *Methods in Enzymology*
- Oui
- 101 *Detection of DNA Adducts by High Performance Liquid Chromatography with Electrochemical Detection.* J-W Park, K. Cundy and B. Ames. *Carcinogenesis* 1989, Vol 10, N°5, p.827-832.
- Oui
- 102 *Steady-State Levels of 7-methylguanine Inscrease in Nuclear DNA of Postmitotic Mouse Tissues During Aging.* B. Tan, A. Bencsath and J. Gaubatz. *Mutation Research* (1990), 237, p 229-238.
- Oui
- 103 *Detecting DNA Damage.* J. Cadet and M. Weinfeld. *Analytical Chemistry* (1993), Vol 65, N°15, p 675A-682A.
- Oui
- 104 *Hydroxyl Free Radical Adduct of Deoxyguanosine: Sensitive Detection and Mechanisms of Formation.* R. Floyd, J. Watson, P. Wong, D. Altmiller and R. Rickard. *Free Rad.Res.Comms.* (1986) N°3, p 163-172.
- Oui
- 138 *Détermination Simultanée de 27 Dérivés Phénoliques et Herbicides dans l'Eau par HPLC en Utilisant la Détection Electrochimique Multi-Electrodes.* GP. Cellerino et G. Achilli, *Forum Labo*, 1994.
- Oui
- 140 *Analysis of Catechins, Phenolic and Polyphenolic Compounds in tea Using HPLC and Coulometric Array Detection.* I. Acworth, M. Kuo, E. Ryan and P. Gamache, *presented at the 1994 Pittsburg Conference, Chicago.*
- Oui
- 141 *Analysis of Phenolic and Flavonoids Having Potential Biological Activity: Examination of Human Urine.* I. Acworth, E. Ryan and P. Gamache, *presented at the 1994 Pittsburg Conference, Chicago.*
- Oui
- 142 *Measurement of Vitamins and Endogenous Antioxydants in Food and Other Biological Matrices.* E. Ryan, I. Acworth and P. Gamache, *presented at the 1994 Pittsburg Conference, Chicago.*
- Oui
- 144 *Analysis of Phenolic and Flavonoid Compounds in Juice Beverages Using High Performance Liquid Chromatography with Coulometric Array Detection.* P. Gamache, E. Ryan and I. Acworth, *Journal of Chromatography*, 635 (1993), 143-150.
- Oui

Multi-Electrode Detection - Oxidative Metabolism

- 145 *Simultaneous Measurement of Monoamines, Amino Acid and Drug Levels, Using HPLC and*
Oui *Coulometric Array Technology: Application to in Vivo Microdialysis Perfusate Analysis*, I. Acworth,
E. Ryan, P. Gamache and T. Mayer.
- 147 *Multi-Electrode Detection Systems for Determination of Neurotransmitters*, M. Naoi, W. Maruyama,
Oui I. Acworth, D. Nakahara and H. Parvez. 39 pages.
- 150 *Anaesthesia Effects on in Vivo Acetylcholine Transmission; Comparisons of Radioenzymatic and*
Oui *HPLC Assays*, R. Bertorelli, A. Hallstrom, Y. Hurd, A. Karlsson, S. Consolo and U. Ungerstedt,
European Journal of Pharmacology, 175 (1990), 79-83.
- 153 *Analysis for Glutathione in Blood by High Performance Liquid Chromatography*, Robenstein and
Non Saetre, *Clin. Chem.*, 24, 7 (1978).
- 154 *Dual Electrode Liquid Chromatography Detector for Thiols and Disulfides*, Allison and Shoup, *Anal.*
Non *Chem.*, 55, 8-12 (1983).
- 155 *The Simultaneous Determination of Oxidized and Reduced Glutathiones in Liver Tissue by Ion*
Oui *Pairing Reverse Phase HPLC with a Coulometric Electrochemical Detector*, P. Harvey, R. Ilson
and S. Strasberg, *Clinica Chimica Acta*, 180 (1989) 203-212.
- 156 *Electrochemical Determination of Femtomole Amounts of Free Reduced and Oxidized Glutathione:*
Oui *Application to Human Hair Follicles*, P. Krien, V. Margou and M. Kermici, *Journal of*
Chromatography, 576 (1992) 255-261.
- 157 *A HPLC Assay for Reduced and Oxidized Glutathione in Embryonic, Neonatal and Adult Tissues*
Non *Using a Porous Graphite Electrochemical Detector*, G. Carro-Ciampi, P. Hunt, C. Turner and P.
Wells, *J. Pharma. Methods*, 19, 75-83 (1988).
- 158 *Transition Metals, Ferritin, Glutathione and Ascorbic Acid in Parkinsonian Brains*, P. Riederer, E.
Non Sofic, W. Rausch, B. Schmidt, G. Reynolds, K. Jellinger and M. Youdim, *J. Neurochem*, 52 (1989),
515-520.
- 159 *Estimation of Glutathione in Rat Liver by Reversed Phase HPLC; Separation from Cysteine and μ -*
Non *Glutamylcysteine*, J. Reeve, J. Kuhlenkamp and N. Kaplowitz, *J. Chromatography*, 194 (1980), 424-
428.
- 160 *HPLC Analysis of Nanomole Levels of Glutathione, Glutathione Disulfide and Related Thiols and*
Non *Disulfides*, D. Reed, J. Badson, P. Beatty, A. Brodie, W. Ellis and D. Potter, *Anal. Biochem.*, 106
(1980), 55-62.
- 161 *Picomole analysis of Glutathione, Glutathione Disulfide, Glutathione S-sulfonate and Cysteine S-*
Non *sulfonate by HPLC*, D. Keller and D. Menzel, *Anal. Biochem.*, 151 (1985), 418-423.
- 162 *Determination of Reduced Glutathione in Guinea Pig and Rat Tissue by HPLC with Electrochemical*
Non *Detection*, E. Demaster, F. Shirota, B. Redfern, D. Good and H. Nagasawa, *Life Science*, 23
(1978), 1167-1174.
- 164 *The Use of Liquid Chromatography with Dual Electrochemical Detection in the Investigation of*
Non *Glutathione Oxidation during Benzene Metabolism*, S. Lunte and P. Kissinger; *J. Chromatography*,
317 (1984), 579-588.
- 165 *The Determination of Glutathione, Cysteine and Other Thiols and Disulfides in Biological Samples*
Non *Using HPLC with Dual Electrochemical Detection*, P. Richie and C. Lang, *Anal. Biochem.*, 163
(1987), 9-15.

Multi-Electrode Detection - Oxidative Metabolism

- 170 *Glutathione Deficiency and Human Immunodeficiency Virus Infection*, F. Staal, S. Ela, M. Roederer, M. Anderson, L. Herzenberg, *The Lancet*, Vol 339, p 909-912, April 11, 1992.
Oui
- 174 *Multi-Electrode Array Detectors in High Performance Liquid Chromatography: A New dimension in Electrochemical Analysis*, C. Svendsen, *Analyst*. Vol. 118, Feb. 1993.
Oui
- 175 *Determination of Amines in Wines by High Performance liquid Chromatography with Electrochemical Coulometric Detection After Precolumn Derivatization*, G. Achilli, G.P. Cellerino and G. Melzi d'Eril, (1993), 13 pages.
Oui
- 176 *Urine Metanephrines Using the CEAS*, ESA, (1993), 39 pages.
Oui
- 177 *A Practical Method for the Analysis of Adducts from the Oxidation and Alkylation of 2'-Deoxyguanosine*, K. Garipey, I. Acworth, B. Bailey and M. Greaney, presented at the 43rd Pittsburg Conference and Exposition New Orleans, March 1992.
Oui
- 180 *Simultaneous Determination of 35 Phenolic Compounds in Fermented Beverages Using Coulometric Electrode Array System (CEAS)*, G. Achilli, G.P. Cellerino and G. Melzi d'Eril, January 1992, report 1033, 14 pages.
Oui
- 185 *Analysis of orange juice concentrates on the Coulochem Electrode Array System -CEAS -G.Achilli*, G.P. Cellerino (1994)
Oui
- 203 *Effect Of D1 Receptor Stimulation On Glutamate On GABA Release*, PW. Kalivas and P. Duffy, 6th Int. Conf. on In Vivo Methods, Seignosses, 1994.
Non
- 268 *Role Of Nitric Oxide And Hydroxyl Radicals In A Striatal Excitotoxic Lesion*, E. Lancelot, J. Callebert and RG. Boulu, 6th Int. Conf. on In Vivo Methods, Seignosses, 1994.
Non
- 269 *Monitoring Indicators Of Oxidative Stress In The Cortex And Striatum Of Anaesthetised Rats In Response To Kainic Acid*, AH. Waterfall, G. Singh and CA. Marsden, 6th Int. Conf. on In Vivo Methods, Seignosses, 1994.
Non
- 272 *A High Performance Liquid Chromatographic Assay For Reduced And Oxidised Glutathione In Embryonic, Neonatal And Adult Tissues Using A Porous Graphite Electrochemical Detector*, G. Carro-Ciampi, P. Hunt, C. Turner and P. Wells.
Oui
- 274 *Simultaneous Determination Of 27 Phenols And Herbicides In Water Using Multielectrode Electrochemical Detection*, G. Achilli, GP. Cellerino, G. Melzi d'Eril and S. Bird.
Oui
- 280 *Salicylate Hydroxylation As An Early Marker Of In Vivo Oxidative Stress In Diabetic Patients*. A. Ghiselli, O. Laurenti, G. De Mattia, G. Maiani, A. Ferro-Luzzi. *Free Radical Biology and Medecine*, Vol. 13, p.621-626, 1992.
Oui
- 282 *Use Of Salicylate With High Pressure Liquid Chromatography And Electrochemical Detection (LCED) As A Sensitive Measure Of Hydroxyl Free Radicals In Adriamycin Treated Rats*. R. A. Floyd, R. Henderson, J.J. Watson & P. K. Wong.
Oui
- 286 *Oxidative Damage To Mitochondrial DNA Is Increased In Alzheimer's Disease*. Patrizia Mecocci, Usha Mc Garvey & M. Flint Beal, *Ann. Neurol.*, 1994, p.102-106.
Oui

Multi-Electrode Detection - Oxidative Metabolism

- 288 *Sample Processing Alters Glutathione And Cysteine Values In Blood.* Betty J.Mills, John P.Richie
Oui & Calvin A. Lang, *Analytical Biochemistry* 184, p.263-267 (1990)
- 290 *Determination Of Hydrophilic Thiols In Sediment Porewater Using Ion-Pair Liquid Chromatography
Oui Coupled To Electrochemical Detection,* Damian Shea & A. Mc Crehan, *Anal. Chem* 1988, Vol 60,
No. 14 p.1449-1454.
- 293 *The Potential Of Degenerative Disorder Diagnosis Based On Biochemical Pattern Or Profile
Oui Analysis.* P.E.Milbury, M.Flint Beal & W.R.Matson. Presented At The Fourth International
Conference On Alzheimer's Disease And Related Disorders. July-August 1994.
- 300 *HPLC Mit Coulometrischer Elektroden-Array-Detektion. Bestimmung Von 1-O-Trans-p-
Oui Cumaroylglycerol In Sorghumhrise, Mais Und Bier. I.* Bernwieser, R. Pätzold, R. Galensa, G.
Sontag. *Z Lebensm Unters Forsch* (1994) 198: 40-43.
- 305 *Simultaneous Quantification of Oxidized and reduced Glutathione in Equin Biological Fluids by
Oui HPLC using Electrochemical detection.* NC Smith, M Dunnett, PC Mills.
- 318 *Determination of Explosives using the Coulochem Electrode Array System - G.Achilli and
Oui GP.Cellerino - ESA*
- 319 *Reduced and Oxidized Glutathione ratio in tumor cells : Comparison of two measurement methods
Oui using HPLC and Electrochemical Detection.* E.Morier-Tessier, N. Mestdagh, JL. Bernier and JP.
Hénichart - *J of Liquid Chrom.*, 16(3), 573-596 (1993)
- 321 *HPLC Analysis of Oxidized and reduced Glutathione and Thiols with Coulometric Electrochemical
Oui Detection.* G.Achilli and GP Cellerino - ESA
- 326 *Determination Of Illicit Drugs And Related Substances By Using HPLC With Electrochemical
Oui Coulometric Array Detector-G.Achilli, G.P. Cellerino, G.Melzi d'EriL, F.Tagliaro. Presented at HPLC
95, Innsbruck, Austria, May 28, June 2nd 1995.*
- 330 *Eosinophilia-Myalgia Syndrome : Analysis Of Control And Contaminated Tryptophan Supplements-
Oui EC Array Brief- ESA, Chelmsford, USA.*
- 333 *Improved High-Performance Liquid Chromatographic Method For The Determination Of Coenzyme
Oui Q10 In Plasma- G. Grossi, A. M. Bargossi, P.L. Fiorella, S.Piazzi, M.Battino, G.P. Bianchi- Journal
Of Chromatography, 593 (1992) 217-226.*
- 342 *Détermination Des explosifs. Evaluation D'un Détecteur à Barrette d'Electrodes pour la
Oui Détermination Des Traces d'Explosifs Dans Des Matrices Complexes- Eurosep Instruments- X.
Allain, K. AMOURA, L. Martinez.*
- 352 *Analyse Du Glutathion Libre Dans Différentes Matrices Biologiques- P. Krien, V.Facy- Journée du
Oui Stress Oxydant.*
- 357 *Coulometric Electrochemical Detection Of Hydroxyproline Using 7-Chloro-4-Nitrobenzo-2-Oxa-1,3-
Oui Diazole - R.W.Welch, I. Acworth, M. Levine - National Institutes Of Health, Bethesda, USA;*
- 516 *Oxidative DNA Damage Estimated By 8-Hydroxydeoxyguanosine Excretion In Humans : Influence
Oui Of Smoking, Gender And Body Mass Index - S. Loft, K. Vistisen, M. Ewertz, A. Tjonneland -
Carcinogenesis, 1992, Vol.13, n°12, p. 2241-2247.*

Multi-Electrode Detection - Oxidative Metabolism

- 527 *Determination of ascorbic acid and in its mixtures with thiols by reversed phase HPLC with electrochemical detection using a DC-TAST Polarograph* - D. Sybilska, K. Duszczczyk and M. Przasnyski - *J. of Chrom.*, 298 (1984) 352-355.
Oui
- 528 *Determination of Dehydroascorbic Acid using HPLC with Coulometric Electrochemical detection* - K. Dhariwal, P. Washko and M. Levine - *Analytical Biochemistry* 189, 18-23 (1990)
Oui
- 530 *Determination of Ascorbic acid in elemental diet by HPLC with electrochemical detection.* H. Iwase - *J. of Chromatogr.* 606 (1992) 277-280
Oui
- 531 *Urinary Metanephrine and Normetanephrine determined without Extraction by Using Liquid Chromatography and Coulometric Array detection* - P. Gamache, M. Kingery, I.A. Acworth - *Clinical Chemistry*, Vol.39, N°9, 1993, 1825-1830
Oui
- 537 *The Coulometric Electrode Array for Use in HPLC analysis* - I.N. Acworth and P. Gamache - *American laboratory*- may 1996-33-38
Oui
- 561 *Détermination des Thiols, Performance et Efficacité de la Barette d'Electrodes* - INRA de Nantes - Xavier Allain, Laurent Martinez - 11 pages, octobre 1996.
Oui
- 562 *Improved Method for the estimation of hydroxyl free radical levels in vivo based on liquid chromatography with Electrochemical Detection* by R.Mc Cabe, Thimothy J. Maher, Ian N.Acworth, *Journal of Chromatography B*, 691 (1997), PP.23-32
Oui
- 582 *Xenoestrogens on the CoulArray - Marketing Sales Interface ESA Application.*
Oui
- 590 *High performance liquid Chromatography with Electrochemical Detection of Aspartame with post-column Photochemical Reactor* - JC. Galletti - *J. of Chromatogr.* vol.329, 393-398 (1996) - ABSTRACT
Non
- 591 *High performance liquid Chromatography Determination of Baclofen in human Plasma* - L. Milleroux - *J. of Chromatogr.* vol.729, 309-314 (1996) - ABSTRACT
Non
- 593 *Daidzein and Genistein Concentrations un human milk after soy consumption* - A. Franke - *Chemistry* 42:6 (1996), 955-964.
Oui
- 642 *Oxidative Damage to DNA in patients with Crystic Fibrosis* - RK. Brown, A. McBurney, J. Lunec, FJ. Kelly - *Free Radic. Biol. Med.* 18, 801-806 (1995) - Abstract.
Oui
- 643 *Oxidative DNA Damage after Transplantation of the Liver and small Intestine in Pigs* - S. Loft, P. Larsen, A. Rasmussen, A. Fischer, S. Bondesen - *Transplantation* 59, 16-20 (1995) - Abstract.
Oui
- 659 *Homocysteine in Plasma with Electrochemical Coulometric Detection* - ESA European Laboratory, *EUROSEP Instruments* (1996).
Oui
- 676 *Determination of Glutathione, Glutathione Disulfide, Ascorbic Acid and Deshydroascorbic Acid in tissues by reversed phase Liquid Chromato. with Electrochem. Detec.* - E. Sofic, P. Riederer, G. Heuschneider - *J. Anal. Chem.* 339, 258-260 (1991) - Abstract.
Non

Multi-Electrode Detection - Oxidative Metabolism

678 *Urinary 8-Hydroxy-2'-Deoxyguanosine as a Biological Marker of in vivo oxidative DNA Damage - M. Non Shigenaga, C. Gimeno, B. Ames - Proc. Natl. Acad. Sci. 86, 9697-9701 (1989) - Abstract.*

696 *Hydroxylation of Aromatic Compounds as Indices of Hydroxyl Radical Production : A Cautionary Oui Note Revisited. J.MONTGOMERY, L.STE-MARIE, D.BOISMENU and L.VACHON -Free Radical Biology and Medicine, Vol. 19, N°6, PP 927-33 (1995).*

697 *Improved Method for the Estimation of Hydroxyl Free Radical Levels In Vivo on Liquid Oui Chromatography with Electrochemical Detection. D. McCABBE, T. MAHER, I. ACWORTH. Journal of Chromatography B.(1996)*

699 *Vitamin Determination Using High-Performance Liquid Chromatography with Internal Standard- Non Redox Mode Electrochemical Detection and its Application to Medical Nutritional Products. H.HASEGAWA. J.Chromatograph.605, (1992) 215-220. ABSTRACT*

700 *Quantitative Detection of Reduced, Radical and Oxidized Forms of x-(4-PIRIDYL-1-OXIDE)-N-ter- Non BUTYLNITRONE Radical Adduct using High Performance Liquid Chromatography with Electrochemical Detection. H.IWAHASHI, J. Chromatography.A. 753 (1996) 235-242.ABSTR*

702 *Folinic Acid Responseive Seizures : a New Syndrome ? K.HYLAND, N. BUIST, B. POWELL, G. Non HOFFMAN, D. RATING, J. McGRATH, I.N. ACWORTH. J. Inher. Metab. Dis.18 (1995) 177-181. ABSTRACT*

707 *DNA Oxidation as a Potential Molecular Mechanism Mediating Drug-Induced Birth Defects : Non Phenytoin & Structurally Related Teratogens Initiate the Formation of Hydroxy In Vitro & In Vivo in Murine Maternal Hepatic & Embryonic Tissues. L. LIU. Free Rad. Bio.95*

708 *Hydroxylation of Guanine Bases in Kidney and Liver DNA of Hamsters Treated with Estradiol : Role Non of Free Radicals in Estrogen-Induced Carcinogenesis. X.HAN, J.G. LIEHR. Cancer Research, 54 (1994) 5515-5517. ABSTRACT*

709 *Lipoic Acid Dependent Regeneration of Ascorbic Acid From Dehydroascorbic Acid in Rat Liver Non Mitochondria. D.P. XU, W. WELLS. J. Bioenergetics and Biomembranes, 28 (1996) 77-85 ABSTRACT*

722 *Sensitive method for the simultaneous measurement of fluphenazine decanoate & fluphenazine in Non plasma by high-performance liquid chromatography with coulometric detection, by J-P. Luo, J-W. Hubbard & K.K. Midha. J.Chromato.B.688(1997)ABSTRACT*

723 *Sensitive isocratic liquid chromatogr. assay for the determination of 5,10,15,20-tetra(m- Oui Hydroxyphenyl)chlorin in plasma & tissue with electrochemical detection, by M. Barberi-Heyob, H.Rezzoug, J.L. Merlin & F.Guillemin. J. Chromatogr.B.668(1997)*

724 *Assay for the determination of urinary 8-hydroxy-2'-deoxyguanosine by high performance liquid Non performance liquid chromatography with electrochemical detection, by D.Germadnik, A.Pilger, HW. Rudiger. J. Chromatog.B.689(1997) P399-403.ABSTRACT*

725 *Analysis of water-soluble antioxidants by high-pressure liquid chromatography, by Richard C. Oui ROSE & Ann M. BODE. Biochem. J.(1995). P. 101-105*

732 *Improvement in the Analytical Method for 8-Hydroxydeoxy-Guanosine in Nuclear DNA. by S. Non Adachi, M.Zeisig & L.Moller. Carcinogenesis 16(1995)P.253-258. ABSTRACT ESA.*

740 *Determination of 5-methoxyindoles in pineal gland and plasma by high-performance liquid Non chromatography with electrochemical detection. by F.Raynaud and P. Pevet. J. of Chrom. Biomed. Appl. 564 (1991). P.103-113.*

Multi-Electrode Detection - Oxidative Metabolism

- 741 *HPLC validation of a circadian melatonin rhythm in the pineal gland of inbred mice.* by A. Conti and Non G. Maestroni. *J. Pineal Res.* (1996). P.20; 138-144.
- 747 *Coulometric Electrochemical Detection of Phospholipid Hydroperoxides by High-Performance Oui Liquid Chromatography,* by H.Arai, S.Mohri, T.Susuki, K.Takama & J.Terao. *Biosci. Biotech. Biochem.*, 61 (1997). Pages 191-193.
- 750 *Identification of 3-nitro-L-tyrosine, a product of nitric oxide & superoxide, as an indicator of Oui oxidative stress in the human brain,* by W.Maruyama, Y. Hashizume, K.Matsubara & M.Naoi. *Journal of Chromatography B*, 676 (1996). PP.153-158.
- 819 *Rapid determination of glutathione status in fish liver using high-performance liquid Non chromatography with electrochemical detection,* by A. Rodriguez-Ariza, F. Toribio & J. Lopez-Barea, *J. Chromatogr. B* 656 (1994), P. 311-318. ABSTRACT.
- 820 *Endogenous Oxidative Damage of Deoxycytidine in Dina,* by J.R. Wagner, C-C. Hu and B.N. Non Ames. *Proc. Natl. Acad. Sci.* (1992), P. 3380-3384. ABSTRACT.
- 821 *Retarding effect of dietary restriction on the accumulation of 8-hydroxy-2' deoxyguanosine in Non organs of fscher 344 rats during aging,* by T. Kaneko, S. Tahara & M. Matsuo, *Free Radic. Biol. Med.* 23 (1997), P. 76-81. ABSTRACT.
- 822 *Measurement of the ratio between the reduced and oxidized forms of coenzyme Q10 in human Non plasma as a possible marker of oxidative stress,* by J. Lagendijk, J.B. Ubbink & W.J.H. Vermaak, *J. Lipid Research*, 37 (1996), P.67-75. ABSTRACT.
- 825 *Effect of Oral Coenzyme Q10 Supplementation of the Oxidation Resistance of Human VLDL + LDL Non Fraction : Absorption & Antioxidant Properties of Oil & Granule-Based Preparations,* by Kaikkonen, Nyssonen, Porkkala-Sarataho,/*Free Radic. Med*(1997)22, P1195-1202
- 831 *Detection of N7-(2-Hydroxyethyl) Guanine Adducts of DNA and 9L Cells Treated With 1-(2- Non Chloroethyl)-1-Nitrosourea,* by Ye, Q. and Bodell, W.J. in *J. Chromatogr. B.* (1997), 694, PP. 65-70. ABSTRACT ESA.
- 833 *Quantification of Protein-Bound 3-Nitrotyrosine and 3,4-Dihydroxyphenylalanine by High- Oui Performance Liquid Chromato with Electrochemical Array Detection* by Hensley, Maidt, Pye, Stewart, Wack, Tabatabaie & Floyd. *Analytical Biochem.* 251, PP187-195 (1997).
- 952 *An Alternate Method for Hydroxyl Free Radical Measurement In Vivo.* ABSTRACT ESA
Oui
- 954 *Nicotinic Agonist Modulation of Neurotransmitter Levels in the Rats Frontoparietal Cortex,* by K.L. Oui Summers, W.R. Kem & E. Giacobini, *Jpn.J. Pharmacol.* 74 (1997), PP. 139-146
- 957 *Simultaneous Measurement of Tocopherols & Tocopheryl Quinones in Tissue Fractions Using Oui HPLC with Redox-Cycling Electrochemical Detection,* by Michael E. MURPHY & James P. KEHRER. *Journal of Chromat.*, 421 (1987) PP.71-82
- 1025 *Quercetin is recovered in human plasma as conjugated derivatives which retain antioxidant Oui properties,* C. MANACH, C. MORAND, V. CRESPIY, C. DEMIGRE, O. TEXIER, F. REGERAT & C. REMESY
- 1048 *A sensitive and selective method for determination of antioxidants in food using gradient HPLC Oui with electrochemical array detection,* McCabe, Acworth & Gamache, ESA inc. presented at the 48th Annual Pittsburgh Conference, Atlanta, March 1997

Multi-Electrode Detection - Oxidative Metabolism

- 1049 *Sensitive Analysis of Phytoestrogens in Animal Tissue by HPLC with Coulometric Array Detection*,
Oui *Gamache, Maher, Setchell, Wu, Acworth- Presented at "Second International Symposium on the Role of Soy in Preventing and Treating Chronic Disease", 1996*
- 1093 *Carotenoid Determination in Biological Microsamples Using Liquid Chromatography with a Coulometric Electrochemical Array Detector*, M. FERRUZZI, L.C. SANDER, C.L. ROCK and S.J. SCWARTZ, *Analytical Biochemistry* 256(1998), PP. 74-81.
- 1095 *Automated Analysis of Urinary VMA, HVA, and 5-HIAA by Gradient HPLC Using an Array of Eight Coulometric Electrochemical Detectors-* M.H. Cheng, A.I. Lipsey, J. Lee & P.H. Gamache- LRA, Vol. 4, PP-297-303
- 1096 *Simultaneous Determination of Homologues of Vitamin E & Coenzyme Q & Products of α -Tocopherol Oxidation-* C. Leray, M.D. Andriamampandry, M. Freund, C. Gachet & JP. Cazenave- *Journal of Lipid Research* Vol.39(1998)
- 1098 *Sensitive & Selective Analysis of Isomeric Forms of Carotenoids Using a C30 Stationary Phase & Coulometric Array Detection-* P.H. GAMACHE, M.G. FERRUZZI, M.L. NGUYEN & S.J. SCHWARTZ, *Applications Department, ESA, Inc. And Department of Food Science & Techno*
- 1099 *Analysis of Antioxidants & Vitamins Using HPLC with Coulometric Array Electrochemical Detection-* Oui *Paul G. GAMACHE & Ian N. ACWORTH, Applications Department, ESA, Inc.*
- 1100 *HPLC Coulometric Array Analysis of 25-Hydroxyvitamin D3 in Plasma-* Paul H. GAMACHE & Ian N. ACWORTH, *Applications Department, ESA, Inc.*
- 1101 *Simultaneous Analysis of Fat-Soluble Carotenoids, retinoids, Tocopherols, Vitamin K & Coenzyme Q10 in Plasma-* Paul H. GAMACHE & Ian N. ACWORTH, *Applications Department, ESA, Inc.*
- 1102 *Analysis of Phytoestrogens and Polyphenols in Plasma, Tissue, and Urine Using HPLC with Coulometric Array Detection*, Paul H.GAMACHE and Ian N.ACWORTH.
- 1130 *Determination of the Cytotoxic Metabolite of Etoposide (3'-o-Demethyletoposide) in Human Plasma* Non *by HPLC, Stremetzne, S., Jaehde, U. & Schunack, W., J. Chromatogr. B., 703, 1997, PP-209-215, ABSTRACT ESA*
- 1131 *Measurement of Cytochrome P450 2E1 Activity in rat Tracheobronchial Airways Using HPLC with Electrochemical Detection*, Watt, K.C., Plopper, C.G. & Buckpitt, A.R., *Anal. Biochem.*, 248, 1997, PP-26-30, ABSTRACT ESA
- 1133 *Détermination de L'iode, Performance et Efficacité de la Barrette d'Electrodes/Evaluation d'un DéTECTEUR à Barrette d'Electrodes pour la Détermination de l'iode dans Diverses Matrices*, X. ALLAIN
- 1137 *Determination of Synthetic Phenolic Antioxidants in Food Using Gradient HPLC with Electrochemical Array Detection*, D.R. Mc Cabe and I.N. Acworth, *American Laboratory News* (1998), 30(3), 18B-18D
- 1140 *Elevation of Homocysteine and Excitatory Amino Acid Neurotransmitters in the CSF of Children Who Receive Methotrexate for the Treatment of Cancer*, Quinn, Griener, Bottiglieri, Hyland, Farrow & Kamen, *J. Clin. Oncol.* 15 (1997), 2800-806-ABSTRACT
- 1159 *Simultaneous Analysis of the Majority of Low-Molecular-Weight, Redox-Active Compounds from Mitochondria*, B. KRISTAL, K. VIGNEAU-CALLAHAN & W. MATSON, *Analytical Biochemistry* 263, 18-25 (1998)

Multi-Electrode Detection - Oxidative Metabolism

- 1160 *Antioxidant & pro-oxidant actions of flavonoids : effects on DNA damage induced by nitric oxide, peroxynitrite & nitroxyl anion*, H. OHSHIMA, Y. YOSHIE, S. AURIOL & I. GILIBERT, *Free Radical Biology & Medicine*, Vol. 25, N°9, PP.1057-1065 (1998)
Oui
- 1165 *An Improved Method for the Detection of Nucleosides, Bases & Hydroxylated Adducts Using Gradient HPLC with Coulometric Array & UV Detection*, D. McCabe, K. Hensley & IA. Acworth, *ESA, Inc. & Oklahoma Medical Research Foundation-presented at Pittcon'99*
Oui
- 1166 *Catecholestrogen & Metabolite Analysis in Biological Tissue Using HPLC with Coulometric Array Detection*, PH. Gamache & IN. Acworth, *ESA, Inc. - Poster presented at Pittcon'99 (Orlando)*
Oui
- 1167 *Lipoic Acid Analysis in Food Supplements by HPLC with Coulometric Array Detection*, AB. Rabovski, J. Cuomo & pH. Gamache - *Poster presented at Pittcon'99 (Orlando)*
Oui
- 1168 *Analysis of Vitamins A & D in Milk Using HPLC & Coulometric Array Detection*, Paul H. GAMACHE, *Applications Department, ESA Inc., Poster presented at Pittcon'99 (Orlando)*
Oui
- 1187 *Comparison of the Bioavailability of Quercetin & Catechin in Rats*, C. MANACH, O. TEXIER, C. MORAND, V. CRESPIY, F. REGERAT, C. DEMIGNE & C. REMESY - *Free radical Biology & Medicine*, Vol. 27, Nos 11/12, pp.1259-1266 (1999)
Oui
- 1189 *Sensitive HPLC Method for Profiling Phytoestrogens Using Coulometric Electrode Array Detection : Application to Plasma Analysis*, T. NURMI & H. ADLERCREUTZ - *Analytical Biochemistry* 274 (1999), 110-117
Oui
- 1193 *Homocystinuria Project (57 pages)*
Non
- 1194 *Screening of Homocysteine from new-born blood spots by HPLC with Coulometric Array Detection*, *ACCINNI, BARTESAGHI, DE LEO, CURSANO, ACHILLI, CELLERINO & PARODI*
Oui
- 1196 *Determination of biological oxidative stress using HPLC with Electrochemical Detection (HPLC-ECD)*, HENSLEY, WILLIAMSON, MAIDT, GABBITA, GRAMMAS & FLOYD - *J. High Resol. Chromatogr* (1999), 22, pp.429-437
Oui
- 1197 *Urinary 8-oxo-7,8-dihydro-2'-deoxyguanosine & 5-(hydroxymethyl) Uracil in Smokers*, S. Pourcelot, *H. Faure, F. Firoozi, V. Ducros, M. Tripier, J. Hee, J. Cadet & A. Favier - Free Rad. Res., Vol. 30, pp. 173-180 (1999)*
Oui
- 1201 *Analysis of 3-Nitrotyrosine in Biological Fluids & Protein Hydrolyzates by HPLC Using a postseparation, On-line Reduction Column & Electrochemical Detection...* by OSHIMA, CELAN, CHAZOTTE..., *Nitric Oxide : Biology & Chemistry* Vol.3, N°2, PP132-144 (1999)
Non
- 1202 *Coulometric Array HPLC Analysis of Lipid-Soluble Vitamins & Antioxidants* by Paul GAMACHE, Scott FREETO & Ian ACWORTH, *American Clinical Laboratory*, August 1999
Oui
- 1205 *A Sensitive & Selectrive Method for the Determination of Tissue 8-Hydroxy-2'-Deoguanosine using HPLC with Electrochemical Array Detection* by D. McCabe, I. Acworth, M. Lindsay Maidt & R. Floyd, *Poster presented at the 88th Annual Meeting of the AACR (1997)*
Oui
- 1224 *HPLC-Coulometric Array Analysis of trans-Resveratrol, Quercetin & Kaempferol in Human plasma* by Paul H. GAMACHE & Ian N. ACWORTH, *ESA Inc. USA*
Oui

Multi-Electrode Detection - Oxidative Metabolism

- 1225 *Method for the Detection of Environmental Estrogens in Water & Wastewater Using Gradient HPLC with Electrochemical Array Detection* by Douglas R. MCCABE, Paul H. GAMACHE & Ian N. ACWORTH ESA, Inc. USA
- 1226 *HPLC-Electrochemical Detection for Phytoestrogen Analysis : Isoflavones & Lignans in Human Serum & Animal Tissue* by Paul H. GAMACHE, Scott M. FREETO & Ian N. ACWORTH, *Journal of Medicinal Food* (199), Vol.2, N°3-4
- 1227 *Method for the Detection of Nucleosides, Bases & Hydroxylated Adducts Using Gradient HPLC with Coulometric Array & Ultraviolet Detection* by Douglas R. McCABE, Kenneth HENSLEY & Ian N. ACWORTH, *Journal of Medicinal Food* (1999), Vol.2, N°3-4
- 1229 *Respective Bioavailability of Quercetin Aglycon & of its Glycosides in a Rat Model* by C. MORAND, C. MANACH, . CRESPY, C. DMIGNE & C. REMESY-ABSTRACT
- 1230 *The Use of HPLC with Electrochemical Detection to Monitor Reactive Oxygen & Nitrogen Species, Markers of Oxidative Damage & Antioxidants : Application to the Neurosciences*, by Ian ACWORTH, Bruce BAILEY & Timothy MAHER
- 1257 *Method for the Detection of Nucleosides, Bases & Hydroxylated Adducts Using Gradient HPLC with Coulometric Array & Ultraviolet Detection*, D. McCabe, K. Hensley & I. Acworth, *Journal of Medicinal Food*, Vol.2, N°3-4 (1999)
- 1258 *A Sensitive Isocratic Liquid Chromatography Assay for the Determination of Dipyridamole in Plasma with Electrochemical Detection*, M. Barberi-Heyob, JL. Merlin, L. Pons, M. Calco & B. Weber, *Journal of Liquid Chromatography*, 17 (1994), PP.1837-1848
- 1410 *Quercetin 3-O-B-Glucoside is Better Absorbed than Other Quercetin Forms & is not Present in Rat Plasma*, C. MORAND, C. MANACH, V. CRESPY & C. REMESY, *Free Rad. Res.*, Vol. 33, PP. 667-676 (2000)