

# Bibliography of analytical, nutritional and clinical methods

(Four weeks journals - Search completed at 13th Dec 1995)

## 1 BOOKS, REVIEWS & SYMPOSIA

- Mikrochim Acta* 1995 119 (3-4)  
 Special issue: Trends in trace element determinations in environmental and food matrices: Proceedings of a workshop of the measurements and testing programme (BCR), Thessaloniki, Greece, October 9-11, 1994
- Asp NG// Lund Univ, Ctr Chem, Dept Appl Nutr & Food Chem, POB 124, S-22100 Lund, Sweden  
*Eur J Clin Nutr* 1995 49 (Suppl 3) S42  
 Dietary fibre analysis: An overview
- Bachorik PS, Ross JW// Johns Hopkins Univ, Sch Med, Dept Pediat, Baltimore, Md 21287, USA  
*Clin Chem* 1995 41 (10) 1414
- National Cholesterol Education Program recommendations for measurement of low-density lipoprotein cholesterol: Executive summary
- Benson IB// Infrared Engn Ltd, Galliford Rd, The Causeway, Maldon, Essex CM9 4XD, England  
*Spectrosc Europe* 1995 7 (6) 18  
 The characteristics and scope of continuous on-line near infrared measurement
- De Santiago S, Barbosa L// Ctr Med Nacl Siglo XXI, IMSS, Unidad Invest Med & Nutr, Apartado Postal 7-1069, Mexico City 06700, DF, Mexico  
*Arch Latinoamer Nutr* 1995 45 (1) 6
- Stable isotopes in nutrition studies (Spanish, English Abstract)
- Englyst HN, Quigley ME, Hudson GJ// MRC Dunn Clin Nutr Ctr, Hills Rd, Cambridge CB4 2DH, England  
*Eur J Clin Nutr* 1995 49 (Suppl 3) S48  
 Definition and measurement of dietary fibre
- Stein EA, Myers GL// Med Res Labs, Highland Heights, Ky 41076, USA  
*Clin Chem* 1995 41 (10) 1421
- National Cholesterol Education Program recommendations for triglyceride measurement: Executive summary
- Warnick GR, Wood PD// Pacific Biometr Inc, Seattle, Wa, USA  
*Clin Chem* 1995 41 (10) 1427
- National Cholesterol Education Program recommendations for measurement of high-density lipoprotein cholesterol: Executive summary

## 3 AMINO ACIDS, PROTEINS & ENZYMES

- Aubrecht E, Toth A// Cent Food Res Inst, Herman Otto ut 15, H-1022 Budapest, Hungary  
*Acta Aliment* 1995 24 (1) 23  
 Investigation of gliadin content of wheat flour by ELISA method
- Bochroder B, Schubert R// Univ Jena, Fak Biol Pharmazeut, Inst Ernährung & Umwelt, Dornburger Str 24, D-07743 Jena, Germany  
*J Anim Physiol Anim Nutr* 1995 74 (1-2) 34  
 Methodological investigations into the estimation of lysine requirements by means of determination of renal <sup>15</sup>N excretion of lactating pony mares after single oral administration of <sup>15</sup>N-labelled lysine (German, English Abstract)
- Cioccia AM, Gonzalez E, Perez M, Mora JA, Romer H, Molina E, Hevia P// \*Univ Simon Bolivar, Nutr Lab, Apartado Postal 89000, Caracas, Venezuela  
*Int J Food Sci Nutr* 1995 46 (1) 21  
 Application of a colorimetric method to the determination of the protein content of commercial foods, mixed human diets and nitrogen losses in infantile diarrhoea
- Curioni A, Pressi G, Furegon L, Peruffo ADB// Univ Padua, Dipt Biotecnol Agr, Via Gradenigo, I-35131 Padua, Italy  
*J Agr Food Chem* 1995 43 (10) 2620  
 Major proteins of beer and their precursors in barley: Electrophoretic and immunological studies
- Franzen M, Pabst K, Schulte-Coerne H, Gravert HO// Bundesanstalt Milchwissenschaft, Herman Weigmann Str 1, D-24103 Kiel, Germany  
*Milchwissenschaft* 1995 50 (9) 483

- Quantitative chromatographic separation of milk proteins (German, English Abstract)
- Hickman DR, Roepstorff P, Shewry PR, Tatham AS// Univ Bristol, Long Ashton Res Stn, Dept Agr Sci, Inst Arable Crops Res, Bristol BS18 9AF, England  
*J Cereal Sci* 1995 22 (2) 99  
 Molecular weights of high molecular weight subunits of glutenin determined by mass spectrometry
- Kupila-Rantala T, Hyvonen-Dabek M, Dabek JT, Raisanen J// Helsinki Univ, Dept Phys, Accelerator Lab, POB 9, SF-00014 Helsinki, Finland  
*J Radioanal Nucl Chem Art* 1995 196 (1) 145  
 Assessment of the usefulness of the PIGE method to determine nitrogen in human blood serum
- Michelet F, Gueguen R, Leroy P, Wellman M, Nicolas A, Siest G// \*Ctr Med Prevent, 2 Ave Doyen Parisot, F-54500 Vandoeuvre les Nancy, France  
*Clin Chem* 1995 41 (10) 1509  
 Blood and plasma glutathione measured in healthy subjects by HPLC: Relation to sex, aging, biological variables, and life habits
- Molina E, Ramos M\*, Martin-Alvarez PJ// \*CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain  
*Z Lebensmittel-Untersuch Fors* 1995 201 (4) 331  
 Prediction of the percentages of cows', goats' and ewes' milk in "Iberico" cheese by electrophoretic analysis of whey proteins
- Mora-Gutierrez A, Farrell HM, Kumosinski TF// Prairie View A&M Univ, Cooperat Agr Res Ctr, POB 4079, Prairie View, Tx 77446, USA  
*J Agr Food Chem* 1995 43 (10) 2574  
 Comparison of hydration behavior of bovine and caprine caseins as determined by oxygen-17 nuclear magnetic resonance: Effects of salt
- Pearson JP, Keren DF// \*Warde Med Lab, 5025 Venture Dr, Ann Arbor, Mi 48104, USA  
*Amer J Clin Pathol* 1995 104 (4) 468  
 The effects of heparin on lipoproteins in high-resolution electrophoresis of serum
- Saito K, Horie M, Nakazawa H// Saitama Inst Publ Hlth, 639-1 Kamiokubo, Urawa, Saitama 338, Japan  
*J Food Hyg Soc Jpn* 1995 36 (5) 639  
 Determination of amines in foods by HPLC using on-column derivatization with automated sample clean-up (Japanese, English Abstract)
- Shupranova LV, Zhmavara EN, Eggi EE\*, Sidorova VV, Vinnichenko AN, Gavrilyuk IP, Konarev VG// \*Vavilov All Russian Res Inst Plant Breeding, B Morskaya 42, St Petersburg 190000, Russia  
*Biochemistry-Engl Tr* 1995 60 (8) 959  
 Enzyme immunoassay of zeins from seeds of normal and mutant (Opaque-2) corn
- Smerdon GR, Chapple JP, Hawkins AJS// Plymouth Marine Lab, Prospect Pl, Plymouth PL1 3DH, England  
*Mar Environ Res* 1995 40 (4) 399  
 The simultaneous immunological detection of four stress-70 protein isoforms by *Mytilus edulis*
- Spaziani E, Wang WL, Novy LA// Univ Iowa, Dept Biol Sci, Iowa City, Ia 52242, USA  
*Comp Biochem Physiol Pt B* 1995 111 (2) 265  
 Serum high-density lipoproteins in the crab *Cancer antennarius*. IV. Electrophoretic and immunological analyses of apolipoproteins and a question of female-specific lipoproteins

## 4 CARBOHYDRATES

- Blais BW, Vailhen C// Agr & AgriFood Canada, Div Lab Serv, Ottawa, Ontario, Canada K1A 0C6  
*Food Control* 1995 6 (4) 215  
 A novel enzymatic microassay for the determination of lactose in grated Parmesan cheese

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical, nutritional and clinical methods. The bibliography is divided into fourteen sections: 1 Books, Reviews & Symposia; 2 General; 3 Amino Acids, Proteins & Enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & Co-factors; 7 Trace Elements & Minerals; 8 Drug, Biocide & Processing Residues; 9 Toxins; 10 Additives; 11 Flavours & Aromas; 12 Organic Acids; 13 Animal Products; 14 Plant & Microbial Products. Within each section, articles are listed in alphabetical order with respect to the author. Where there are no papers to appear under a heading, it will be omitted.

Eustace CA, Jordan RB\*// \*Hort & Food Res Inst New Zealand Ltd, Ruakura Res Ctr, Engr Dev Grp, Private Bag 3123, Hamilton, New Zealand  
*Trans ASAE* 1995 38 (5) 1563

Sugar content evaluation using earth's field proton magnetic resonance

Manne S, Brink G// Tech Univ Munich, Dept Phys E22, James Franck Str, D-85748 Garching, Germany  
*Zuckerindustrie* 1995 120 (9) 785

Atomic force microscopy of molecular and dynamic properties of sucrose crystals (German, English Abstract)

Park PW, Goins RE// Mead Johnson Res Ctr, Mead Johnson Nutr Grp, 2400 West Lloyd Expressway, Evansville, In 47721, USA  
*J Agr Food Chem* 1995 43 (10) 2580

Determination of 2-(2'-octenyl)succinic acid in lipophilic modified starch by gas chromatography-mass spectrometry selected ion monitoring

Schumacher D, Kroh LW\*// \*Tech Univ Berlin, Inst Food Chem, Gustav Meier Allee 25, D-13355 Berlin, Germany  
*Food Chem* 1995 54 (4) 353

A rapid method for separation of anomeric saccharides using a cyclodextrin bonded phase and for investigation of mutarotation

## 5 LIPIDS

Amarowicz R, Karamac M, Rudnicka B, Ciska E// Polish Acad Sci, Ctr Agrotechnol & Vet Sci, Div Food Sci, ul Tuwima 10, POB 55, PL-10718 Olsztyn 5, Poland

*Fett Wiss Technol* 1995 97 (9) 330

TLC separation of glucopyranosyl sinapate and other phenolic compounds from rapeseed

Anwar M, Hashim M, Yaqoob M, Yasinzai MM// Univ Baluchistan, Dept Chem, Quetta, Pakistan  
*J Chem Soc Pakistan* 1995 17 (1) 40

Enzymatic determination of electrophoretically separated LDL-cholesterol from sera of cardiac patients

Benzie IFF, Strain J// Hong Kong Polytech Univ, Dept Hlth Sci, Kowloon, Hong Kong  
*Clin Chim Acta* 1995 239 (2) 185

The effect of ascorbic acid on the measurement of total cholesterol and triglycerides: Possible artefactual lowering in individuals with high plasma concentration of ascorbic acid

Cardenas MS, Ballesteros E, Gallego M, Valcarcel M\*// \*Univ Cordoba, Fac Sci, Dept Analyt Chem, E-14004 Cordoba, Spain  
*J Chromatogr B-Biomed Appl* 1995 672 (1) 7

Automatic gas chromatographic determination of the high density-lipoprotein cholesterol and total cholesterol in serum

Gelbard G, Bres O, Vargas RM, Vielfaure F, Schuchardt UF// Inst Rech Catalyse, 2 Ave Albert Einstein, F-69626 Villeurbanne, France  
*J Amer Oil Chem Soc* 1995 72 (10) 1239

<sup>1</sup>H nuclear magnetic resonance determination of the yield of the transesterification of rapeseed oil with methanol

Klansek JJ, Yancey P, St Clair RW, Fischer RT, Johnson WJ, Glick JM\*// \*Univ Penn, Med Ctr, Inst Human Gene Therapy, 3400 Spruce St, Maloney 601, Philadelphia, Pa 19104, USA  
*J Lipid Res* 1995 36 (10) 2261

Cholesterol quantitation by GLC: Artifactual formation of short-chain steryl esters

Litwinienko G, Kasprzycka-Guttman T, Jarosz-Jarszewska M// Univ Warsaw, Dept Chem, Pasteura 1, PL-02093 Warsaw, Poland  
*J Therm Anal* 1995 45 (4) 741

Dynamic and isothermal DSC investigation of the kinetics of thermooxidative decomposition of some edible oils

Marquez-Ruiz G, Tasioula-Margari M, Dobarganes MC\*// \*CSIC, Inst Grasa, Avda Padre Garcia Tejero 4, E-41012 Seville, Spain  
*J Amer Oil Chem Soc* 1995 72 (10) 1171

Quantitation and distribution of altered fatty acids in frying fats

Matthaus B// Bundesanstalt Getreide Kartoffel & Fettforsch, Inst Chem & Phys Fette, Postfach 1705, D-48006 Munster, Germany  
*Fett Wiss Technol* 1995 97 (9) 327

Investigations about the autoxidation of fats and oils by a chemiluminescence method (German, English Abstract)

Mingrone G, Greco AV, Capristo E, Benedetti G, Castagneto M, Gasbarrini G// Catholic Univ Sacred Heart, Ist Clin Med, Largo A Gemelli 8, I-00168 Rome, Italy  
*Clin Chim Acta* 1995 240 (2) 195

An improved GLC method for a rapid, simultaneous analysis of both medium chain fatty acids and medium chain triglycerides in plasma

Molkentin J, Precht D// Bundesanstalt Milchforsch, Inst Chem & Phys, POB 6069, D-24121 Kiel, Germany  
*Chromatographia* 1995 41 (5-6) 267

Optimized analysis of *trans*-octadecenoic acids in edible fats

Neff WE, Byrdwell WC// USDA/ARS, Natl Ctr Agr Utilizat Res, FQS, 1815 Nth Univ St, Peoria, Il 61604, USA  
*J Amer Oil Chem Soc* 1995 72 (10) 1185

Soybean oil triacylglycerol analysis by reversed-phase high-performance liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometry

Rader JJ, Angyal G, O'Dell RG, Weaver CM, Sheppard AJ, Bueno MP// US/FDA, Ctr Food Safety & Appl Nutr, Off Food Labeling, 200 C St SW, Washington, DC 20204, USA  
*Food Chem* 1995 54 (4) 419

Determination of total fat and saturated fat in foods by packed column gas-liquid chromatography after acid hydrolysis

Sato T, Takahata Y, Noda T, Yanagisawa T, Morishita T, Sakai S// Ministry Agr Forestry & Fisheries, Kyushu Natl Agr Expt Stn, Dept Crop Breeding, Nishigoshi, Kumamoto 86111, Japan  
*J Amer Oil Chem Soc* 1995 72 (10) 1177

Nondestructive determination of fatty acid composition of husked sunflower (*Helianthus annuus* L) seeds by near-infrared spectroscopy

Takagi T, Ando Y// 13-505 Nishi Issha, 1-19 Kamenoi, Meitou ku, Nagoya, Aichi 465, Japan  
*J Amer Oil Chem Soc* 1995 72 (10) 1203

Stereospecific analysis of monounsaturated triacylglycerols in cocoa butter

Terry JG, McGill BL, Crouse JR\*// \*Wake Forest Univ, Bowman Gray Sch Med, Dept Internal Med, Winston Salem, NC 27157, USA  
*J Lipid Res* 1995 36 (10) 2267

Evaluation of the use of  $\beta$ -sitosterol as a nonabsorbable marker for quantifying cholesterol absorption

Ville H, Maes G, De Schrijver E, Spincemaille G, Rombouts G, Geers R// Katholieke Univ Leuven, Agr Bldg Res Lab, Kard Mercierlaan 92, B-3001 Louvain, Belgium  
*Meat Sci* 1995 41 (3) 283

Determination of phospholipid content of intramuscular fat by Fourier transform infrared spectroscopy

Wolff RL, Bayard CC// Univ Bordeaux 1, ISTAB, Lab Lipochim Alimentaire, Allee Fac, F-33405 Talence, France  
*J Amer Oil Chem Soc* 1995 72 (10) 1197

Improvement in the resolution of individual *trans*-18:1 isomers by capillary gas-liquid chromatography: Use of a 100-m CP-Sil 88 column

## 6 VITAMINS & CO-FACTORS

Azais-Braesco V, Moriniere C, Guesne B, Partier A, Bellenand P, Baguelin D, Grolier P, Alix E// INRA, BP 321, Lab Nutr Humaine, Unite Malad Metab, F-63009 Clermont Ferrand, France  
*Int J Vitam Nutr Res* 1995 65 (3) 151

Vitamin A status in the institutionalized elderly. Critical analysis of four evaluation criteria: Dietary vitamin A intake, serum retinol, relative dose-response test (RDR) and impression cytology with transfer (ICT)

Chen X, Sato M// Kyoto Inst Technol, Fac Text Sci, Analyt Chem Lab, Sakyo ku, Kyoto 606, Japan  
*Anal Sci* 1995 11 (5) 749

High-performance liquid chromatographic determination of ascorbic acid in soft drinks and apple juice using tris(2,2'-bipyridine)ruthenium(II) electrochemiluminescence

Doherty AP, Stanley MA, Vos JG// Univ Newcastle upon Tyne, Dept Chem, Bedson Bldg, Newcastle upon Tyne NE1 7RU, England  
*Analyst* 1995 120 (9) 2371

Electrocatalytic oxidation of ascorbic acid at [osmium(2,2'-bipyridyl)2-(poly-4-vinylpyridine)]<sub>10</sub>Cl]Cl modified electrodes: Implications for the development of biosensors based on osmium-containing redox relays

Gensler M, Rossmann A, Schmidt HL\*// \*Tech Univ Munchen Weihenstephan, Lehrstuhl Allgemeine Chem & Biochem, D-85350 Freising, Germany  
*J Agr Food Chem* 1995 43 (10) 2662

Detection of added L-ascorbic acid in fruit juices by isotope ratio mass spectrometry

Hibiya M, Teradaira R, Sugimoto T, Fujita K, Nagatsu T\*// \*Fujita Hlth Univ, Sch Med, Inst Comprehens Med Sci, Toyoake, Aichi 47011, Japan  
*J Chromatogr B-Biomed Appl* 1995 672 (1) 143

Simultaneous determination of N<sup>2</sup>(3-aminopropyl)biopterin (oncopterin), biopterin and neopterin by high-performance liquid chromatography with fluorescence detection

Ibanez E, Tabera J, Reglero G, Herraiz M\*// \*CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain  
*J Agr Food Chem* 1995 43 (10) 2667

Optimization of separation of fat-soluble vitamins by supercritical fluid chromatography using serial micropacked columns

Jinno K, Lin Y// Toyohashi Univ Technol, Sch Mat Sci, Toyohashi, Aichi 441, Japan  
*Chromatographia* 1995 41 (5-6) 311

Separation of carotenoids by high-performance liquid chromatography with polymeric and monomeric octadecylsilica stationary phases

Kobayashi N, Mano H, Imazu T, Shimada K\*// \*Kanazawa Univ, Fac Pharmaceut Sci, 13-1 Takara machi, Kanazawa, Ishikawa 920, Japan  
*J Steroid Biochem Mol Biol* 1995 54 (5-6) 217

Tandem immunoaffinity chromatography for plasma 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub> utilizing two antibodies having different specificities: A novel and powerful

pretreatment tool for  $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub> radioreceptor assays

Masson M, Yun KS, Haruyama T, Kobatake E, Aizawa M// \*Tokyo Inst Technol, Fac Biosci & Biotechnol, Dept Bioengn, Midori ku, 4259 Nagatsuta, Yokohama, Kanagawa 226, Japan

*Anal Chem* 1995 **67** (13) 2212

Quartz crystal microbalance bioaffinity sensor for biotin

Nimsakul S, Kootathap S, Likit-Ekaraj V, Wongworapat K, Suwanarach C, Taejaroenkul S, Fuchs GJ// \*Louisiana State Univ, Sch Med, Dept Pediat, 1542 Tulane Ave, New Orleans, La 70112, USA

*Nutr Res* 1995 **15** (11) 1613

Effect of season on vitamin A intake and validity of the simplified dietary assessment (SDA) method

Otles S// Ege Univ, Fac Engn, Dept Food Engn, Izmir 35100, Turkey

*Int J Food Sci Nutr* 1995 **46** (3) 229

Comparative determination of ascorbic acid in bass (*Morone lebrax*) liver by HPLC and DNPH methods

Rosebrough SF, Hartley DF// Univ Rochester, Med Ctr, Dept Radiol, Rochester, NY 14642, USA

*Lab Anim Sci* 1995 **45** (5) 554

Quantification and lowering of serum biotin

Shimizu M, Iwasaki Y, Ishida H, Yamada S// \*Tokyo Med & Dent Univ, Inst Med & Dent Engn, Div Molec Biol, Chiyoda ku, 2-3-10 Surugadai, Tokyo 101, Japan

*J Chromatogr B-Biomed Appl* 1995 **672** (1) 63

Determination of 25-hydroxyvitamin D<sub>3</sub> in human plasma using a non-radioactive tetranorvitamin D analogue as an internal standard

Wigertz K, Jagerstad M// Univ Lund, Dept Appl Nutr & Food Chem, POB 124, S-22100 Lund, Sweden

*Food Chem* 1995 **54** (4) 429

Comparison of a HPLC and radioprotein-binding assay for the determination of folates in milk and blood samples

Wilberg VC, Rodriguez-Amaya DB// \*Univ Estadual Campinas, Fac Engn Alimentos, Dept Ciencia Alimentos, CP 6121, BR-13081-970 Campinas, SP, Brazil

*Food Sci Technol-Lebensm Wiss* 1995 **28** (5) 474

HPLC quantitation of major carotenoids of fresh and processed guava, mango and papaya

## 7 TRACE ELEMENTS & MINERALS

Figueira RCL, Cunha IIL// CNEN SP, Inst Pesquisas Energet & Nucl, Div Radiochem, Caixa Postal 11049, Pinheiros, SP, Brazil

*J Radioanal Nucl Chem Lett* 1995 **200** (6) 497

Strontium-90 determination in fish from the Brazilian coast

Homma S, Nakai I, Misawa S, Shimojo N// Univ Tsukuba, Inst Community Med, 1-1-1 Tennodai, Tsukuba, Ibaraki 305, Japan

*Nucl Instrum Meth Phys Res B* 1995 **103** (2) 229

Site-specific distribution of copper, selenium, and zinc in human kidney by synchrotron radiation induced X-ray fluorescence

Negretide-Bratter VE, Recknagel S, Gawlik D// Hahn Meitner Inst Berlin GmbH, Dept Trace Elements Hlth & Nutr, Glienicke Str 100, D-14109 Berlin, Germany

*Fresenius J Anal Chem* 1995 **353** (2) 137

Speciation of Se, Fe and Zn in human milk whey: The use of instrumental neutron activation analysis (INAA) to corroborate element profiles measured with inductively coupled plasma atomic emission spectrometry (ICP-AES)

Qiao HC, Parsons PJ, Slavin W// Bonaire Technol, Box 1089, Ridgefield, CT 06877, USA

*Clin Chem* 1995 **41** (10) 1451

Transferability of blood lead determinations by furnace atomic absorption spectrophotometry and continuum background correction

Reeves JB, Glenn BP// USDA/ARS, Beltsville Agr Res Ctr, Inst Livestock & Poultry Sci, Nutrient Conservat & Metab Lab, Beltsville, Md 20705, USA

*J Dairy Sci* 1995 **78** (9) 1962

Observations on determination of dysprosium in labeled digesta samples by near infrared spectroscopy

Rondon C, Burguera JL, Burguera M\*, Brunetto MR, Gallignani M, Petit-de Pena Y// \*Univ Los Andes, Fac Sci, Andean Inst Chem Res, Apartado Postal 542, Merida 5101A, Venezuela

*Fresenius J Anal Chem* 1995 **353** (2) 133

Selective determination of antimony(III) and antimony(V) in liver tissue by microwave-assisted mineralization and hydride generation atomic absorption spectrometry

Shiraishi K, Yamamoto M// Natl Inst Radiol Sci, Div Radioecol, 3609 Isozaki, Hitachinaka, Ibaraki 31112, Japan

*J Radioanal Nucl Chem Art* 1995 **196** (1) 89

Dietary <sup>232</sup>Th and <sup>238</sup>U intakes for Japanese as obtained in a market basket study and contributions of imported foods to internal doses

Sips AJAM, Van der Vijgh WJF, Barto R, Netelenbos JC// Free Univ Amsterdam Hosp, Dept Endocrinol, De Boelelaan 1117, 1007 MB Amsterdam, The Netherlands

*Clin Chem* 1995 **41** (10) 1446

Intestinal strontium absorption: From bioavailability to validation of a simple test representative for intestinal calcium absorption

Wrobel K, Kwiecinska B, Godlewska B, Hulanicki A// \*Univ Warsaw, Dept Chem, Pasteura 1, PL-02093 Warsaw, Poland

*Chem Anal* 1995 **40** (4) 631

Determination of total magnesium in serum using a commercial spectrophotometric kit and the  $\beta$ -correction method

Yang Q, Desmit K, Smeyers-Verbeke J// \*Free Univ Brussels, Inst Pharmaceut, Laarbeeklaan 103, B-1090 Brussels, Belgium

*J Agr Food Chem* 1995 **43** (10) 2652

Determination of trace cadmium in 24-h diets by graphite furnace atomic absorption spectrometry

Zaidi JH, Qureshi IH, Arif M, Fatima I// Pakistan Inst Nucl Sci & Technol, Div Nucl Chem, Islamabad, Pakistan

*J Radioanal Nucl Chem Art* 1995 **196** (1) 125

Input of missing trace elements in some IAEA/NBS biological certified reference materials using INAA

Zhang X, Cornelis R, De Kimpe J, Mees L, Vanderbiesen V, Vanholder R// State Univ Ghent, Inst Nucl Sci, Analyt Chem Lab, Proeftuinst 86, B-9000 Ghent, Belgium

*Fresenius J Anal Chem* 1995 **353** (2) 143

Determination of total arsenic in serum and packed cells of patients with renal insufficiency

Zhang XL, Ma CS, Wang LZ, Zhang JG// Shandong Univ, Dept Chem, Jinan 250100, Peoples Rep China

*Talanta* 1995 **42** (7) 897

Trace adsorptive voltammetric determination of antimony in hair

## 8 DRUG, BIOCIDES & PROCESSING RESIDUES

Argauer RJ, Eller KI, Ibrahim MA, Brown RT// USDA/ARS, Beltsville Agr Res Ctr, Beltsville, Md 20705, USA

*J Agr Food Chem* 1995 **43** (10) 2774

Determining propoxur and other carbamates in meat using HPLC fluorescence and gas chromatography/ion trap mass spectrometry after supercritical fluid extraction

Barabassy S, Formanek Z, Koncz A// Univ Hort & Food Ind, Dept Refrigerat & Livestock Prod Technol, Menesi ut 45, H-1118 Budapest, Hungary

*Acta Aliment* 1995 **24** (1) 55

Detection of irradiation treatment of cinnamon and allspice using physical methods (viscometry, DSC, NIR)

Barnes KA, Startin JR, Thorpe SA, Reynolds SL, Fussell RJ// MAFF, CSL Food Sci Lab, Norwich Res Pk, Norwich NR4 7UQ, England

*J Chromatogr A* 1995 **712** (1) 85

Determination of the pesticide diflubenzuron in mushrooms by high-performance liquid chromatography/atmospheric pressure chemical ionisation mass spectrometry

Barnes KA, Damant AP, Startin JR, Castle L// \*Address as above.

*J Chromatogr A* 1995 **712** (1) 191

Qualitative liquid chromatographic atmospheric-pressure chemical-ionisation mass spectrometric analysis of polyethylene terephthalate oligomers

Belleville C, Robert P\*, Hoebler C, Barry JL// \*INRA, BP 1627, rue Geraudiere, F-44316 Nantes 03, France

*J Agr Food Chem* 1995 **43** (10) 2672

Infrared spectroscopic determination of poly(ethylene glycol) for nutritional studies

Canoui I, Nikolaidis E, Tsoukali H, Stratis JA, Zachariadis GA// Ministry Agr, Inst Food Hyg, Thessaloniki, Greece

*J Liq Chromatogr* 1995 **18** (17) 3519

Determination of chloramphenicol residues in meat samples by high performance liquid chromatography

Di Pietra AM, Piazza V, Andrisano V, Cavrini V// Univ Bologna, Dept Pharmaceut Sci, Via Belmeloro 6, I-40126 Bologna, Italy

*J Liq Chromatogr* 1995 **18** (17) 3529

HPLC determination of chloramphenicol and thiamphenicol residues in game-bird meats

Fekete J, Romvari Z, Szepesi I, Morovjan G// Tech Univ Budapest, Inst Gen & Analyt Chem, Gellert ter 4, H-1111 Budapest, Hungary

*J Chromatogr A* 1995 **712** (2) 378

Liquid chromatographic determination of the antibiotic fumagillin in fish meat samples

Filek G, Bergamini M, Lindner W// \*Karl Franzens Univ Graz, Inst Pharmazeut Chem, A-8010 Graz, Austria

*J Chromatogr A* 1995 **712** (2) 355

Steam distillation-solvent extraction, a selective sample enrichment technique for the gas chromatographic electron-capture detection of organochlorine compounds in milk powder and other milk products

Haagsma N, Scherpenisse P, Simmonds RJ, Wood SA, Rees SA// Univ Utrecht, Fac Vet Med, Dept Sci Food & Anim Origin, Chem Sect, POB 80175, 3508 TD Utrecht, The Netherlands

*J Chromatogr B-Biomed Appl* 1995 **672** (1) 165

High-performance liquid chromatographic determination of spectinomycin in

- swine, calf and chicken plasma using post-column derivatization  
 Hammer P, Heesch W// Inst Hyg, Fed Dairy Res Ctr, POB 6069, D-24121 Kiel, Germany  
*Milchwissenschaft* 1995 50 (9) 513
- Antibody-capture immunoassay for the detection of enrofloxacin in raw milk  
 Hartmann M, Ammon J, Berg H// Chem Landesuntersuchungsanstalt Karlsruhe, Hoffstr 3, D-76133 Karlsruhe, Germany  
*Deut Lebensmittel-Rundsch* 1995 91 (9) 277
- Identification of irradiation treatment in processed food. I. Application of the German Official Method L 06.00-37 (35 German Food Act) on processed food (German, English Abstract)
- Hashimoto T, Miyazaki T, Kokubo Y, Suzuki S, Nakazawa H// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169, Japan  
*J Food Hyg Soc Jpn* 1995 36 (5) 595
- Fluorometric determination of progesterone in beef by HPLC (Japanese, English Abstract)
- Helle N, Wolbert A, Linke B, Ehlers D, Kruger KE// Staatliches Vet Untersuchungsamt Fische, Schleusenstr, D-27472 Cuxhaven, Germany  
*Z Lebensmittel-Untersuch Fors* 1995 201 (4) 355
- Identification of irradiated fresh fruits by electron paramagnetic resonance spectroscopy (German, English Abstract)
- Hirai S, Onji Y, Sasaki M// Nara Prefectural Inst Publ Hlth, 57-6 Ohmori cho, Nara 630, Japan  
*J Food Hyg Soc Jpn* 1995 36 (5) 635
- Simple determination of organophosphorus pesticides in agricultural products by using a graphitized carbon black cartridge (Japanese, English Abstract)
- Jimenez-Carmona MM, Tena MT, Luque de Castro MD\*// \*Univ Cordoba, Fac Sci, Dept Analyt Chem, E-14004 Cordoba, Spain  
*J Chromatogr A* 1995 711 (2) 269
- Ion-pair-supercritical fluid extraction of clenbuterol from food samples  
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