Papers

A fast intra-operative PTH point-of-care assay on the Philips handheld Magnotech system. Jarrige V., Nieuwenhuis J. H., Van Son J., Martens M. F., Vissers J. L. M. Langenbecks Arch Surg, 2010.

GFAP and S100B are biomarkers of traumatic brain injury: an observational cohort study. Vos P. E., Jacobs B. J., Andriessen T. W. A. M., Lamers K. J. B., Borm G., Beems T., Edwards M., Rosmalen C. F., and Vissers J. L. M. Neurology. 2010.

Sensitive and rapid immunoassay for parathyroid hormone using magnetic particle labels and magnetic actuation. Dittmer W. U., de Kievit P., Prins M. W., Vissers J. L. M., Mersch M. E., and Martens M. F. J. Immunol. Methods. 338: 40-46, 2008.

Rapid immunoassay for the determination of glial fibrillary acidic protein (GFAP) in serum. Vissers J. L. M., Mersch M. E., Rosmalen C. F., van Heumen M. J., van Geel W. J., Lamers K. J. B., Rosmalen F. M., Swinkels L. M., Thomsen J., and Herrmann M. Clin. Chim. Acta. 366: 336-340, 2006.

Development of a highly specific immunoradiometric assay for active renin and a new approach for the measurement of total renin. Rosmalen F, van Hoek M, Jilesen L, Martens M and Derkx F. Eur. Clin. Lab. 12: 18, 1992.

Abstracts

Oak Ridge 2010

Multiplexed, high performance, finger-prick test for POC diagnostics using optomagnetic technology. Dittmer WU1*, Orsel JG, Neijzen JHM1, Ovsyanko M1, Beerling BJM1, van Boekel T1, de Theije F1, Nieuwenhuis JH1, Dekkers DWC2, Hefti MH2, Vissers JLM2, Martens MFWC2. 1Philips Corporate Technologies, Eindhoven, The Netherlands and 2Future Diagnostics BV, Wijchen, The Netherlands.

CTMM Annual meeting 2010

Detection of activated platelets with magnetic particles as label on a biosensor platform. Presenting author: Joost L.M. Vissers, Dorien Ruegebrink, Jeroen Baardman, Mike F.W.C. Martens. Future Diagnostics BV, Wijchen, The Netherlands.

Particle loading effects on kinetics of a magnetic particle assay. K. Yang1, L.J. van IJzendoorn1, A.M. de Jong1, W.U. Dittmer 2, M. H. Hefti 3, M.W.J. Prins1,2 1Eindhoven University of Technology, 2Philips Research Laboratories Eindhoven, The Netherlands , 3Future Diagnostics BV, Wijchen, The Netherlands.

Rapid, high sensitivity, point-of-care test for cardiac troponin based on optomagnetic biosensor. Wendy U. Dittmer1, Toon H. Evers1, Willie M. Hardeman1, Willeke Huijnen1, Rick Kamps1, Peggy de Kievit1, Jaap H.M. Neijzen1, Jeroen H. Nieuwenhuis1, Mara J.J. Sijbers1, Dave W.C. Dekkers2, Marco H. Hefti2 and Mike F.W.C. Martens2, 1Philips Corporate Technologies, Eindhoven, The Netherlands, 2Future Diagnostics BV, Wijchen, The Netherlands.

CTMM Annual meeting 2009

Optomagnetic biosensors for the rapid and sensitive detection of heart failure biomarkers. W. U. Dittmer1, T. Evers, R12. Kamps2, J. Orsel12, M. W. J. Prins12, L. J. van Ijzendoorn12, M. J. J. Sijbers12, M. H. Hefti3, K. Siemensma3, and M. F. W. C. Martens3.
1Philips Research, 2TU Eindhoven and 3Future Diagnostics

Detection of activated platelets and monocytes with magnetic particles as label. J.L.M. Vissers, D. Ruegebrink, N.J.J. Lourens and M.F.W.C. Martens. Future Diagnostics, Wijchen NL.

American Association of Clinical Chemistry 2009

magno*tech*™: Reliable and Fast Magnetic Point-of-Care Biosensor Technology. Evers TH1, Bruls D1, Neijzen JHM1, Ovsyanko M1, Craus B1, Nieuwenhuis JH2, de Theije FK2, Immink AHJ2,Dekkers DWC3, Hefti MH3, Martens MFWC3
1Philips Research, Eindhoven, The Netherlands, 2Philips Healthcare Incubator, Eindhoven, The Netherlands, 3Future Diagnostics, Wijchen, The Netherlands

American Association of Clinical Chemistry 2008

Rapid, finger-prick test for cardiac troponin with picomolar sensitivity using magnetic particle labels. W. Dittmer1*, T. Evers1, R. Kamps1, P. de Kievit1, W. Hardeman1, J. Vissers2, J. de Beer2, D. Dekkers2, M. Martens.
1Philips Research, Eindhoven, The Netherlands and 2Future Diagnostics, Wijchen, The Netherlands.

World Biosensor 2008

Highly Sensitive, Rapid, 1-Step Test for Cardiac Troponin Using Magnetic Particle Labels. W. Dittmer1, T. Evers1, W. Hardeman1, R. Kamps1, P. de Kievit1, J. Vissers2, J. de Beer2, M. Mersch2, M. Martens2.
1Philips Research, Eindhoven, The Netherlands and 2Future Diagnostics, Wijchen, The Netherlands.

IFCC and American Association of Clinical Chemistry 2007

Development of an assay for 25-Hydroxyvitamin-D on the Abbott ARCHITECT analyzer. C. van Duren1, S. Peters-Gdanitz1, M. Martens1, J. Dhein2, M. Eppinger2, M. Hausmann2, W. Krack2 and J. Schultess2.
1Future Diagnostics, Wijchen, the Netherlands; 2Abbott Diagnostics, Delkenheim, Germany.

Development of an assay for C-Peptide on the Abbott ARCHITECT analyzer. C. van Duren1, K. Veldhuizen1, M. Martens1, J. Dhein2, M. Eppinger2, M. Hausmann2, W. Krack2, J. Schultess2, M. Möckel3 and C. Müller3.
1Future Diagnostics, Wijchen, the Netherlands; 2Abbott Diagnostics, Delkenheim, Germany, 3Charité, Berlin, Germany.

Evaluation of a new dehydroepiandrosterone sulfate (DHEA-S) assay on the ADVIA Centaur® System. E. Lindhout1, H. Koeken1, M. Martens1, M. Barbarakis2, C. Ku2 and L. Anderson2, 2Siemens Medical Solutions Diagnostics, Tarrytown, New York.
1Future Diagnostics, Wijchen, The Netherlands.

Development of a new sex-hormone binding globulin (SHBG) assay on the ADVIA Centaur® System. M. Jansen1, M. Kersten1, M. Martens1,.J. Readio2, C. Ku2, and L. Anderson2 2Siemens Medical Solutions Diagnostics, Tarrytown, New York.
1Future Diagnostics, Wijchen, The Netherlands.

CLAS 2007

Sensitive protein detection with GMR sensors. W. Dittmer1, P. de Kievit1, M. Prins1, J. Vissers2, M. Mersch2, M. Martens2.
1Philips Research, Eindhoven, The Netherlands and 2Future Diagnostics, Wijchen, The Netherlands.

American Association of Clinical Chemistry 2006 Chigago

Development and multi-site evaluation of an assay for sex-hormone binding globulin (SHBG) on the Abbott ARCHITECT® analyzer. T. Martí1, J. Bertran1, M. A. Molina1, C. van Duren2, S. Peters-Gdanitz2, M. Martens2, J. Dhein3, M. Eppinger3, M. Hausmann3, N. Jenne3, M. Stieler3, and E. Sickinger3.
1Biokit, Lliçà d'Amunt, Barcelona, Spain; 2Future Diagnostics, Wijchen, The Netherlands; 3Abbott Diagnostics, Delkenheim, Germany.

Multi-center evaluation of the dehydroepiandrosterone sulfate (DHEA-S) assay on the Abbott ARCHITECT® system. C. van Duren1, H. Buddiger1, M. Martens1, T. Martí2, J. Bertran2, J. Dhein3, M. Eppinger3, M. Hausmann3, N. Jenne3, M. Stieler3, and E. Sickinger3.
1Future Diagnostics, Wijchen, The Netherlands; 2 Biokit, Lliçà d'Amunt, Barcelona, Spain; 3Abbott Diagnostics, Delkenheim, Germany.

5th International congress on Autoimmunity 2006 Sorento

Development of automated assays for anti cardiolipin antibodies determination: addressing antigen/solid-phase and standardization issues. F. Bonelli [1], L. Pallavicini [1], F. Capuano [1], M. Jansen [2], L. Swinkels [2]
[1] Department of R&D, Diasorin SPA, Saluggia, Italy; [2] Future Diagnostics, Wijchen, The Netherlands

CLAS Conference 2006 Boxborough, MA

Magnetic biosensors for medical diagnostics. J. Vissers1, M. Mersch1, G. Parsons1, M. Martens1 W. Dittmer2, P. de Kievit2, M. Prins2.
1Future Diagnostics, Wijchen, 2Philips Research, Eindhoven, The Netherlands.

Oakridge Conference 2006 San Jose, CA

Optimal presentation of solid phase antigens in magnetic bead immunoassays. Finne, E., Vissers J.*, Gerritsma I.*, Martens, M.*, Borgen T., Pringle S., Songe, P., Trømborg, H. Invitrogen Corporation, Dynal Bead Based Separation • Ullernchausséen 52, N-0379 Oslo, Norway.
* Future Diagnostics BV • Nieuweweg 172 6603 BT Wijchen The Netherlands.

The fourth Conference on Biochemical Markers for Brain Damage 2005

Rapid test for the determination of glial fibrillary acidic protein in serum. Lamers K J. B., Swinkels L.M.J.W1, van Geel W.J.A2, Bilurbina M1, van Heumen M1, Mersch, M.E.C1, Vissers J.L.M1, Parsons G.H1, Rosmalen F.M.A.1.
1Future Diagnostics, Wijchen , The Netherlands and 2Laboratory of Pediatrics and Neurology, University Medical Centre Nijmegen, The Netherlands.

IFCC 2005 Glasgow

Development of an automated continuous random access Toxoplasma Immunoglobulin M (IGM) assay* For the VITROS® ECi Immunoassay System. E Lindhout1, J. van Woezik1, M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

Development of an automated continuous random access CMV immunoglobulin M (IgM) assay* FOR the VITROS® ECi Immunoassay System." E Lindhout1, J. van Son1, M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

Development and evaluation of an assay for intact parathyroid hormone (PTH) on the Abbott ARCHITECT® immunoassay systems. M. Martens1, M. Megens1 , M. van Wanrooij1, D. van Doorn1. J. Dhein2, M. Eppinger-Albrecht2, M. Hausmann² and N. Jenne2,
1Future Diagnostics, The Netherlands and 2Abbott Laboratories, Germany.

American Association of Clinical Chemistry 2005 Orlando

Development of an anti Toxoplasma (TOX) immunoglobulin M (IgM) assay on the Vitros ECi automated continuous random access immunoassay system. E Lindhout1, J. van Woezik1 M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

American Association of Clinical Chemistry 2004 Los Angeles

Development of an anti Rubella immunoglobulin G (IgG) assay on the Vitros ECi automated continuous random access immunoassay system. E Lindhout1, L Denessen1, M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

Development of an anti Cytomegalovirus (CMV) immunoglobulin G (IgG) assay on the Vitros ECi automated continuous random access immunoassay system. E Lindhout1, J. van Woezik1, M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

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1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

Development of an anti Rubella immunoglobulin M (IgM) assay on the Vitros ECi automated continuous random access immunoassay system. E Lindhout1, M Mersch1, M Martens1, A J Brockas2 and D Montague2.
1Future Diagnostics, The Netherlands and 2Ortho-Clinical Diagnostics, Rochester, NY.

American Association of Clinical Chemistry 2002 Florida

Development of a chemiluminescent STAT assay for the determination of GFAP. L. M. Swinkels, J. v. d. Beucken , M. Mersch, M. Verbeek, M. Martens and F. Rosmalen.

A Fast and Simple Chemiluminescence C-peptide assay with a short turnaround time on the Future Diagnostics, STAT-IntraOperative-System. M. Martens, I. Gerritsma, L. Swinkels and F. Rosmalen.

American Association of Clinical Chemistry 2001 Chicago

A New Simple Chemiluminescence ACTH assay with results in less then 12 minutes on the Future Diagnostics, STAT-IntraOperative-System. M. Martens, M.H. Janssen-Lam and F. Rosmalen.

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A Fast and Simple Chemiluminescence Insulin assay with a short turnaround time on the Future Diagnostics, STAT-IntraOperative-System. M. Martens, M. van Wanrooij, P. Geutjens and F. Rosmalen.

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American Association of Clinical Chemistry 1997 Atlanta

An automated PTH assay with identical clinical correlation with Nichols IRMA PTH. M. Martens, M. van Hoek and F. Rosmalen.