

# Chemiluminescent Measurements

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## Recent Publications on Chemiluminescent Measurements:



- [Evaluation of endotoxin activity in blood measured via neutrophil chemiluminescence in healthy horses and horses with colic.](#)  
*OBJECTIVE: To evaluate the performance of a chemiluminescent endotoxin...* 18th November, 2009  
Department of Clinical Studies, Ontario Veterinary College, University of- Am J Vet Res. 2009 Oct;70(10):1183-6. ([DOI Direct Link](#))
- [Circadian rhythms of extracellular ATP accumulation in suprachiasmatic nucleus cells and cultured astrocytes.](#)  
*The master circadian pacemaker located within the suprachiasmatic nucleus...* 18th November, 2009  
Department of Biology and Center for Research on Biological Clocks, Texas- Eur J Neurosci. 2009 Sep;30(5):869-76. Epub 2009 Aug 27. ([DOI Direct Link](#))
- [Upconversion emission tuning from green to red in Yb<sup>3+</sup>/Ho<sup>3+</sup>-codoped NaYF<sub>4</sub> nanocrystals by tridoping with Ce<sup>3+</sup> ions.](#)  
*Upconversion (UC) emission tuning from green to red in monodisperse...* 13th November, 2009  
Department of Physics, Harbin Institute of Technology, 150001 Harbin,- Nanotechnology. 2009 Sep 23;20(38):385704. Epub 2009 Aug 28. ([DOI Direct Link](#))
- [\[Evaluation of the reference range of retinol-binding protein \(RBP\) levels by the latex turbidimetric immunoassay\]](#)  
*The clinical implication of the hepatitis B surface antigen (HBsAg)...* 10th November, 2009  
Department of Clinical Molecular Informative Medicine, Nagoya City- Rinsho Byori. 2009 Jul;57(7):638-43.
- [Circulating cardiac troponin-I autoantibodies in human plasma and serum.](#)  
*We identified IgG reactive with human cardiac troponin-I (cTnI) in plasma...* 30th October, 2009  
Abbott Diagnostics Division, Abbott Laboratories, Abbott Park, Illinois- Ann N Y Acad Sci. 2009 Sep;1173:67-74. ([DOI Direct Link](#))
- [High throughput evaluation of gamma-H2AX.](#)  
*The DNA double-strand break (DSB) is the primary lethal lesion after...* 29th October, 2009  
Radiation Oncology Branch, National Cancer Institute, National Cancer- Radiat Oncol. 2009 Aug 24;4:31. ([DOI Direct Link](#))
- [Electrochemiluminescent immunosensor for detection of protein cancer biomarkers using carbon nanotube forests and \[Ru-\(bpy\)\(3\)\]\(2+\)-doped silica nanoparticles.](#)  
*We report the first electrochemiluminescent immunosensor combining...* 29th October, 2009  
Department of Chemistry (U-3060), University of Connecticut, USA.- Chem Commun (Camb). 2009 Sep 7;(33):4968-70. Epub 2009 Jul 10. ([DOI Direct Link](#))

- [Microchip electrophoresis with chemiluminescence detection for assaying ascorbic acid and amino acids in single cells.](#)  
*A method based on microchip electrophoresis (MCE) with chemiluminescence...*27th October, 2009  
College of Chemistry and Chemical Engineering, Guangxi Normal University,- J Chromatogr A. 2009 Sep 25;1216(39):6746-51. Epub 2009 Aug 11. ([DOI Direct Link](#))
- [Sensitive and rapid chemiluminescence enzyme immunoassay for microcystin-LR in water samples.](#)  
*A highly sensitive, specific, simple, and rapid chemiluminescence enzyme...*23rd October, 2009  
Environmental Simulate and Pollution Control State Key Joint Laboratory,- Anal Chim Acta. 2009 Sep 1;649(1):123-7. Epub 2009 Jul 14. ([DOI Direct Link](#))
- [Optical probes for detection and quantification of neutrophils' oxidative burst. A review.](#)  
*Neutrophils, also known as polymorphonuclear leukocytes (PMN), are the...*23rd October, 2009  
REQUIMTE, Departamento de Quimica-Fisica, Faculdade de Farmacia,- Anal Chim Acta. 2009 Sep 1;649(1):8-23. Epub 2009 Jul 4. ([DOI Direct Link](#))
- [\[Evaluation of the ELISA and the enhanced chemiluminescence immunoassay in use to determine the serum markers for liver fibrosis\]](#)  
*OBJECTIVE: To evaluate the detection method of ELISA and Enhanced...*21st October, 2009  
Center of Clinical Laboratory, The No. 302 Hospital of The PIA, Beijing- Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi. 2009 Feb;23(1):71-3.
- [Prevalence and prognostic significance of incidental cardiac troponin T elevation in ambulatory patients with stable coronary artery disease: data from the Heart and Soul study.](#)  
*BACKGROUND: The significance of troponin elevation and clinical utility of...*21st October, 2009  
Division of Cardiology, Department of Medicine, University of California,- Am Heart J. 2009 Oct;158(4):673-9. ([DOI Direct Link](#))
- [Determination of serum ferritin using immunoturbidimetry or chemiluminescent detection in comparison with radioimmunoassay a compendium of a methodological juxtaposition.](#)  
*BACKGROUND: The implementation of a ferritin assay other than by the RIA...*26th September, 2009  
Department of Biochemistry, Lapeyronie Hospital, Montpellier, France.- Clin Lab. 2009;55(5-6):207-15.
- [Serum insulin, glucose, indices of insulin resistance, and risk of prostate cancer.](#)  
*BACKGROUND: The mitogenic and growth-stimulatory effects of insulin-like...*22nd September, 2009  
Nutritional Epidemiology Branch, Division of Cancer Epidemiology and- J Natl Cancer Inst. 2009 Sep 16;101(18):1272-9. Epub 2009 Aug 21. ([DOI Direct Link](#))
- [Precision performance at low levels and 99th percentile concentration of the Access AccuTnl assay on two different platforms.](#)  
*BACKGROUND: Cardiac troponins currently represent the preferred biomarkers...*27th August, 2009  
Department of Laboratory Medicine, University Hospital, Padova, Italy.- Clin Chem Lab Med. 2009;47(3):367-71.

#### Chemiluminescent Measurements Patents:



- 6586176- [Gel microdrops in genetic analysis](#)
- 3970660- [Chemiluminescence](#)
- 4499305- [Process for preparation of cyclohexyl hydroperoxide decomposition catalysts](#)
- 4503257- [Cyclohexyl hydroperoxide decomposition process](#)
- 4834918- [Process and reagent for increasing the quantum yield in chemiluminescent reactions](#)

- 5106762- [Ligand-label conjugates which contain polyoxoanions of sulfur or phosphorus](#)
- 5746974- [Apparatus for improved luminescence assays using particle concentration, electrochemical generation of chemiluminescence and chemiluminescence detection](#)
- 5770459- [Methods and apparatus for improved luminescence assays using particle concentration, electrochemical generation of chemiluminescence detection](#)
- 5798083- [Apparatus for improved luminescence assays using particle concentration and chemiluminescence detection](#)
- 5814465- [Biotinated firefly luciferase, a gene for biotinated firefly luciferase, a recombinant DNA, a process for producing biotinated luciferase and a bioluminescent analysis method](#)
- 5843746- [Biotinated firefly luciferase, a gene for biotinated firefly luciferase, a recombinant DNA, a process for producing biotinated luciferase and a bioluminescent analysis method](#)
- 6030803- [Dibenzodihydropyridinecarboxylic esters and their use in chemiluminescent assay methods](#)
- 6136531- [Method of quantitatively detecting nucleic acids](#)
- 6346419- [Photolysis system for fast-response NO2 measurements and method therefor](#)
- 6448091- [Method and apparatus for improved luminescence assays using particle concentration chemiluminescence detection](#)
- 3967933- [Dual channel nitrogen oxides analyzer](#)

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