

Electrochemical DNA Biosensors



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Use of electrochemical DNA biosensors for rapid
molecular identification of uropathogens in clinical
urine specimens (2006)

[http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.
326.8930](http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.326.8930)

Electrochemical/Electrical DNA Biosensors In order to reduce the size of the instrumentation needed in the DNA detection and the costs incurred for this purpose, http://www.academia.edu/1072800/Overview_of_electrochemical_DNA_biosensors_new_approaches_to_detect_the_expression_of_life

Electrochemical DNA Biosensor Steps involved in electrochemical DNA hybridization biosensors: Formation of the DNA recognition layer Actual hybridization event <http://www.pitt.edu/~super4/36011-37001/36421.ppt>

Microfaradaic Electrochemical Biosensors for the Study of Anticancer Action of DNA Intercalating Drug: Epirubicin. By Krishna Pitre and Sweety Tiwari <http://www.intechopen.com/books/biosensors-for-health-environment-and-biosecurity/microfaradaic-electrochemical-biosensors-for-the-study-of-anticancer-action-of-dna-intercalating-dru>

Electrochemical DNA biosensors, based either on carbon paste electrode (CPE) or hanging mercury drop electrode (HMDE) were prepared. These biosensors were used in the <http://www.tandfonline.com/doi/abs/10.1080/030673102100008586>

Abstract Since Waston and Crick established the double helical structure of DNA in 1953, nucleic acid research has become one of the most important fields in life <http://www.tandfonline.com/doi/abs/10.1080/00032710500369794>

Get this from a library! Electrochemical DNA biosensors. [Mehmet Ozsoz;] -- This book focuses on the basic electrochemical applications of DNA in various areas, from <http://www.worldcat.org/title/electrochemical-dna-biosensors/oclc/794167492>

Amazon.com: Electrochemical DNA Biosensors eBook: Mehmet Sengun Ozsoz: Kindle Store Amazon Try Prime Kindle Store
<http://www.amazon.com/Electrochemical-Biosensors-Mehmet-Sengun-Ozsoz-ebook/dp/B008NF81N2>

In the present study, a disposable electrochemical DNA nano-biosensor is proposed for the rapid detection of genotoxic compounds and bio-analysis of water pollu
<http://www.sciencedirect.com/science/article/pii/S1001841713004646>

Abstract: An electrochemical biosensor for the detection of genetically modified food components is presented. The biosensor was based on 21-mer single-stranded
<http://citeseerx.ist.psu.edu/showciting?cid=15966388>

Conventional microarrays fall into the category of biosensors only in a general sense, but they represent a benchmark for DNA biosensor comparison.
<http://www.mdpi.com/1424-8220/9/4/3122/xml>

Electrochemical biosensors are normally based on enzymatic catalysis of a reaction that produces or DNA biosensors can theoretically be used for medical
<http://en.wikipedia.org/wiki/Biosensor>

Electrochemical DNA Biosensors [Mehmet Sengun Ozsoz] on Amazon.com. *FREE* shipping on qualifying offers. This book focuses on the basic electrochemical applications
<http://www.amazon.com/Electrochemical-Biosensors-Mehmet-Sengun-Ozsoz/dp/9814241776>

The development of DNA biosensor has attracted considerable attention due to their potential applications, including gene analysis, clinical diagnostics, forensic
<http://journal.chemistrycentral.com/content/7/1/65>

Electrochemical Biosensor for the Detection of Interaction Between Arsenic Trioxide and DNA Based on Guanine Signal

<http://onlinelibrary.wiley.com/doi/10.1002/elan.200390077/citedby>

Outline Biosensors Electrochemical DNA Hybridization Biosensor Four different pathways Three types of DNA sensors Conclusion and challenges

<http://web2.uconn.edu/rusling/Shenmin%20Pan.pdf>

Electrochemical DNA Biosensor for Sequences Related to the Human Papillomavirus Type 16 using Methylene Blue,

<http://omicsonline.com/open-access/electrochemical-dna-biosensor-for-sequences-related-to-the-human-papillomavirus-type-using-methylene-blue-2090-4967-3-107.php?aid=28735>

The proof of concept of a DNA-biosensor based on a two-electrode electrochemical setup and using a microelectrode as working electrode, well adapted for detection

<http://www.sciencedirect.com/science/article/pii/S0925400513002335>

1. Analyst. 2007 Jul;132(7):603-10. Epub 2007 Apr 23. An introduction to electrochemical DNA biosensors. Odenthal KJ, Gooding JJ. School of Chemistry, University of

<http://www.ncbi.nlm.nih.gov/pubmed/17592577>

May 31, 2011 Fabrication of Electrochemical-DNA Biosensors for the Reagentless Detection of Nucleic Acids, Proteins and Small Molecules

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3197062/>

Jan 28, 2012 Rating is available when the video has been rented. Self-assembling nanoparticle drug delivery system

<http://www.youtube.com/watch?v=OSkcUDnfHx4>

Research activity Francesco Ricci group, electrochemical biosensors, DNA sensors, transcription factor detection, DNA binding proteins, folding-based sensors

<http://www.francescoriccilab.com/electrochemical-biosensors/>

Electrochemical DNA Biosensors Based on Carbon Nanotubes
In general, carbon nanotubes can be incorporated into the electrode configuration in the form of a paste

[http://www.academia.edu/3982145/Innovative configurations of electrochemical DNA biosensors A Review](http://www.academia.edu/3982145/Innovative_configurations_of_electrochemical_DNA_biosensors_A_Review)

Ultrasensitive Electrochemical DNA Biosensors Based on the Detection of a Highly Characteristic Solid-State Process

<http://onlinelibrary.wiley.com/doi/10.1002/sml1.200900073/citedby>

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