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Authors: Nipapan Ruecha, Kwanwoo Shin, Orawon Chailapakul, Nadnudda Rodthongkum



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Label-free Paper-based Electrochemical Impedance Immunosensor for Human Interferon Gamma Detection

Nipapan Ruecha^a, Kwanwoo Shin^b, Orawon Chailapakul^c, Nadnudda Rodthongkum^{a*}

^aMetallurgy and Materials Science Research Institute, Chulalongkorn University, Bangkok, Thailand

^bDepartment of Chemistry and Institute of Biological Interfaces, Sogang University, Seoul, Republic of Korea

^cElectrochemistry and Optical Spectroscopy Center of Excellence, Department of Chemistry, Faculty of Science, Chulalongkorn University, Bangkok, Thailand

*Corresponding author. E-mail: Nadnudda.R@chula.ac.th., Phone: +6622184233

Highlights

- Label-free paper-based electrochemical impedance immunosensor based on polyaniline/graphene is successfully prepared for human IFN- γ detection.
- High conductivity and large surface area of polyaniline/graphene significantly enhances the immunosensor sensitivity.
- This sensor is sensitive, selective, inexpensive, disposable and portable for rapid detection of human IFN- γ in human serum.
- This approach might be an alternative tool for human IFN- γ screening in medical diagnosis.

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