



POINT OF CARE DEVICE

INVENTORS

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PREGNANCY AND GESTATIONAL DIABETIC QUANTITATIVE MEASUREMENT USING NANO LAB-ON-CHIP FOR PRENATAL CARE

IP No: PI 2012 003 209

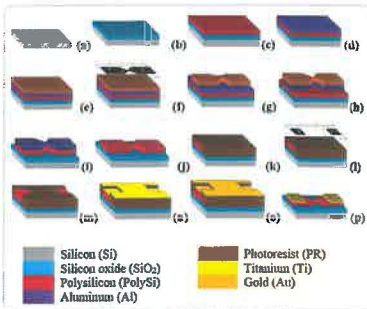
PRODUCT DESCRIPTION

This invention reports a highly sensitive non-invasive quantitative measurement of glucose for diabetic and Human Chorionic Gonadotropin (hCG) for pregnancy using specific functionalized polysilicon nanogap lab-on-chip biosensor for prenatal care application.

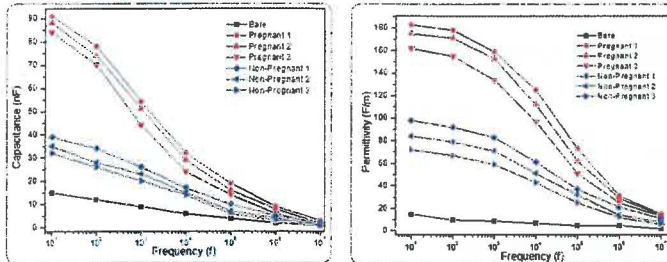
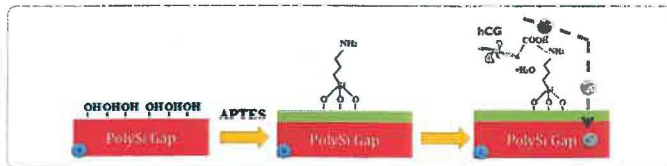
NOVELTIES

- Low power device.
- Ultra-high sensitive device.
- Conventional photolithography technique.
- New applications in biomedical field.
- Early pregnancy detection.

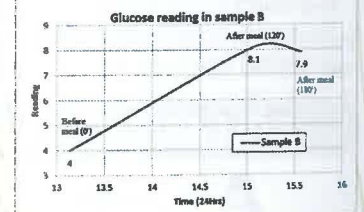
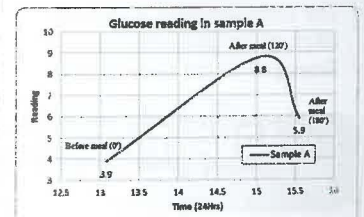
BIOSENSOR FABRICATION



PREGNANCY DETECTION



DIABETIC DETECTION



MASK DESIGN

