

NON-ENZYMATIC DETECTION OF BACTERIAL GENOMIC DNA USING THE BIO-BARCODE ASSAY

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Researchers at the NU-NSEC developed a highly sensitive and quantitative assay for the detection of bacterial genomic DNA that does not require the use of enzymes. The bio-barcode assay can detect down to 2.5 femtomolar concentrations of bacterial genomic DNA, corresponding to tens of thousands of copies in the sample. This new assay will allow the detection of disease targets without the need for cumbersome pre-amplification techniques like PCR.

