

ABSTRACT

ORIGINAL

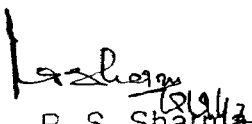
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25 SEP 2012

A novel ambient stable DNA diagnostic kit for detection of microbial and genetic diseases

The present invention relates to a ready to use ambient stable diagnostic kit with extended self life. containing dry powder primarily, with minimum aqueous stable components like the DNA probe. The kit has an added advantage of detecting microorganisms directly from clinical as well as biopsy or autopsy samples *in situ*, without requiring the time consuming and cumbersome strain or gene purifications. The DNA probe is generated and detected by Quantum dots or other visible colors.

Being a simple and uniform procedure, the kit and the method can be used by Semi skilled workers like Technicians, dispensing the need for large and different infrastructure and expertise for identification of different infections, even under field conditions.


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