

ABSTRACT**DEVICE AND METHOD OF DETECTING MUTATIONS
AND POLYMORPHISMS IN DNA**

There is provided a resonator sensor useful for detecting polymorphisms and mutations in DNA. The resonator sensor has a capture molecule immobilised on its surface, the capture molecule being either a probe DNA containing a reference sequence, or a mismatch binding molecule, and being capable of forming a probe DNA/target DNA/mismatch binding molecule complex on the surface of the resonator. A method for detecting mutations in a target DNA, including single nucleotide polymorphisms, is also provided.

Fig. 1