

HANDHELD NASBA-BASED SENSORS FOR RED TIDE DETECTION

What is NASBA? Nucleic acid sequence based amplification (NASBA) produces results similar to PCR in terms of amplification of specific nucleic acid sequences via an enzymatic reaction. However, NASBA is an isothermal amplification protocol (i.e. does not require temperature cycling) that simplifies the hardware requirements; the process does not require a thermostable DNA polymerase or a thermal cycler. Secondly, NASBA works on RNA rather than DNA., inherently increasing sensitivity and enabling transcript (mRNA) abundance detection, an estimate of gene expression.

Easy to use. Water is sampled (2.5-25 ml samples are filtered onto RNA purification columns). The purified eluate is analyzed using NASBA and our Isothermal detection device .



What we do: Supply amplification devices, Reagent kits, oligonucleotide primers and beacons. We can design a NASBA assay for your favorite HAB!

More Information:

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