

## NUCLEIC ACID DETECTION METHOD

The CNIO has developed a method for detecting the presence of a nucleic acid sequence in a sample.

Industrial partners are being sought to collaborate through a patent license agreement for the development and exploitation of the technology.

### Description

The inventors have found a method for detecting the presence of a nucleic acid sequence in a sample using CRISPR technology. The present invention also relates to a kit to carry out the method of the invention.

### Main innovations and advantages

The present invention constitutes a most advantageous alternative to methods of the state of the art. The method of the present invention works more efficiently than existing methods, results in an authentic exponential chain reaction; offers a reduction of background signals when compared to them; and provides a tool to detect both RNA and DNA.

The method of the invention allows the detection of nucleic acid amounts as low as 100 fM with a high signal-to-noise ratio and without the need to perform any amplification of the nucleic acid of interest. The present invention also relates to a kit to carry out the method for detecting the presence of a nucleic acid sequence in a sample, and to the use of the method or the kit of the invention for the diagnosis or prognosis of a disease or condition.

### Intellectual property

Patent title:

NUCLEIC ACID DETECTION METHOD

Applicant:

Spanish National Cancer Research Center (CNIO)

International patent application:

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Patent extended in:

Europe, USA, Canada and Japan

### For more information, please contact:

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