

A Method for Detecting a Target Analyte

Abstract

There is method for detecting the presence or absence of a target analyte in a sample comprising the steps of: allowing an inorganic fluorescent particle to conjugate with a detection biomolecule that is bound to said target analyte, if present in said sample, said target analyte additionally being bound by a capture biomolecule immobilized on or within a nanostructure; and detecting the fluorescence emitted by said inorganic fluorescent particle, said nanostructure being capable of generating a surface plasmon resonance effect when excited by a light source to substantially increase the fluorescence emitted by said inorganic fluorescent particle, wherein the detected fluorescence indicates the presence of said target analyte in said sample.

[Fig. 1]