

Abstract

ENHANCED IMMUNOASSAY SENSOR

Disclosed herein are devices for detecting the presence of a target analyte in a fluid sample. The biosensor device can comprise at least a reaction chamber and a detection chamber. The device can comprise a amplifying mechanism such that one target analyte molecule present in the fluid sample can lead to generation/activation of multiple detection agent molecules, and therefore, an amplified signal. Also disclosed are the methods of manufacturing and using such a biosensor device.

Figure 7.