

METHOD FOR IDENTIFYING NUCLEIC ACIDS BOUND TO AN ANALYTE**ABSTRACT**

A method for identifying a target nucleic acid bound by an analyte in a sample comprising: a) contacting said sample with a first probe comprising a first nucleic acid and a first analyte binding domain and a second probe comprising a second nucleic acid and second analyte binding domain, wherein said first and second probes are capable of binding to said analyte, such that said first and second nucleic acid are in spatial proximity to form a complex with said target nucleic acid if said target nucleic acid is bound by said analyte in said sample; b) incubating said sample with a ligase capable of ligating said complex to form a ligated target nucleic acid template; c) amplifying said target nucleic acid template if present in said sample, and d) detecting the presence or absence of an amplified target nucleic acid template.

(Figure 1)