

Abstract

METHODS FOR DETERMINING SITE SPECIFIC BINDING OF AT LEAST ONE
5 LIGAND TO A COMPOSITE NUCLEIC ACID, AND KITS THEREOF

[00159] The present invention relates to methods for
determining site-specific ligand binding to nucleic acid
composites comprising metal nanoparticles. In this regard, the
10 present invention exploits a metal nanoparticle-assisted
fluorescent intercalator displacement (mNPs-FID) principle,
whereby the InD's fluorescence intensity is modulated by mNPs
in a distance dependent manner making it possible to determine
site specific ligand binding on a nucleic acid.

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(no suitable figure)