ABSTRACT

The present invention provides a method capable of realizing pretreatment process of genetic screening according to a POCT mode. The method includes: making a sample, extraction liquid for extracting nucleic-acid contained in the sample, silica particles, and a filtering material contact with each other; making the filtering material carry composite material of the nucleic-acid and the silica particles thereon; and then delivering the filtering material to a nucleic-acid-amplifying process by means of reaction solution for amplifying nucleic-acid, wherein particle diameters of the silica particles and concentration of the silica particles in the reaction solution for amplifying nucleic-acid are set up within a predetermined range, thereby allowing, in advance of the nucleic-acid-amplifying process, to omit both a drying process and an elution process. The predetermined range is defined as follows: the concentration of the silica particles is 0.0625 through 4 [μg/μl]; an average particle diameter of the silica particles is 0.01 through 100 [μm]; and a surface area calculated based on the average particle diameter is $1x10^4$ through $1x10^8$ [μm^2].