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(54) Title: METHOD AND DEVICE FOR NON- INVASIVE PRENATAL DIAGNOSIS

(57) Abstract: Method for non- invasive prenatal diagnosis comprising the following steps: a. obtain a sample of an organic fluid having a high probability of containing foetal cells from a pregnant woman; b. enrich said sample of organic fluid in at least one population of cells comprising at least one type of foetal nucleated cells; c. isolate at least one cell from among said at least one type of foetal nucleated cells; d. perform a genetic analysis on said at least one cell isolated from among said at least one type of foetal nucleated cells in order to highlight at least one genetic characteristic of said at least one foetal nucleated cell suitable for permitting said diagnosis; wherein the step of isolating at least one cell from among said at least one type of foetal nucleated cells is performed by individually selecting single cells in a microfluidic device designed for said purpose.