

The invention relates to the medical molecular genetics, namely to a method for identifying the polymorphic sequences 4a/4b of the nitric oxide endothelial synthetase gene.

Summary of the method consists in that is carried out the whole blood sampling, is extracted the DNA with 0.7 M ammonium hydroxide, is maintained at room temperature for 5 min and incubated in a thermostat at the temperature of 100°C for 30 min with continuous stirring, then the extracted DNA is amplified using sense NOS3: 5'-GCCCTATGGTAGTAGTGCCTTT-3' and antisense NOS3 primers: 5'-SCTCTTAGTGCTGTGGTCA-3', at the same time is carried out the initial denaturation at the temperature of 94°C for 3 min, then are performed 30 cycles with denaturation at the temperature of 94°C for 1 min, at the temperature of 54°C for 30 s, at the temperature of 72°C for 30 s and at the temperature of 72°C for 5 min, are separated the amplified DNA fragments in 1.8% agarose gel, are stained with 0.5 µg/mL solution of ethidium bromide and are identified the polymorphic sequences.

Claims: 1