

Order number: None

Persons tested together**Person A**

Sample: 08-12380
Name: Jana Nováková DEMO
Birth date: 31.12.1991
Collection date: 03.03.2009
Date received: 03.03.2009
Sample type: buccal swab

Person B

Sample: 08-12350
Name: Jiří Novák DEMO
Birth date: 31.12.1962
Collection date: 03.03.2009
Date received: 03.03.2009
Sample type: blood

Result and interpretation:

Combined maternity index (CPI)	2450.2965
Maternity likelihood ratio (LR)	99.95920526 %
Priori probability	50 %

Analysis was performed using Identifiler Plus (Thermo Fisher). The genetic profiles of persons have been determined from samples A and B and there have been evaluated 15 markers (TH01, D3S1358, vWA, D21S11, TPOX, D7S820, D19S433, D5S818, D2S1338, D16S539, CSF1PO, D13S317, FGA, D18S51, D8S1179) and the sex chromosome marker amelogenin. The evaluation is based on microsatellite genotyping in terms of Mendel's laws of inheritance, Hardy-Weinberg equilibrium and on the use of Bayes' theorem and likelihood ratio.

The DNA profiles of persons have been assessed together and the first-degree relationship between the person A and B evaluated. No matter how great is the weight of evidence in favour of the child-mother relationship in comparison with the maternity of an unknown woman, this test improves the result **2450-fold**. If the priori probability of maternity is 50 %, this test achieves the probability of **99.95920526 %**, what can be considered as **maternity practically proven**.

Report date: 08.03.2009

Method: SOP165, fragment analysis of STR markers

Approved by: Mgr. Martina Šafrová, Laboratory Manager

