

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

Persons tested together

Person A

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

Person B

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

Marker	Person A	Person B	Maternity index PI
FGA	22/26	20/22	1.2842835130
D13S317	11/13	11/13	3.2782638300
D21S11	29/31.2	28/29	1.2817785750
D2S1338	19/20	20/24	1.9318006180
D3S1358	16/16	16/17	2.0599505560
CSF1PO	10/12	12/13	0.7594927096
D5S818	11/13	11/11	1.5357910910
D16S539	11/12	11/13	0.9138340643
D7S820	10/10	10/10	3.5851559700
TPOX	8/10	8/12	0.4552157291
TH01	6/6	6/9.3	2.2226666670
D8S1179	13/14	11/14	1.1022927690
D18S51	14/16	14/16	3.2827289520
vWA	15/17	15/16	2.2542831380
D19S433	12/15	12/14	3.6175832130
Amelogenin	X/Y	X/X	
Combined maternity index		2450.2965	
Probability of maternity (W)		99.95920526 %	
Priori probability		50 %	

Interpretation: Analysis was performed using Investigator IDplex Plus (Qiagen). 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. 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**.

The lab does not have the ability to check if the names of the individuals belongs to sampled persons. Proper identification and assignment of samples is in the responsibility of the tested persons.

Report date: 08.03.2009

Method: SOP165, fragment analysis of STR markers

Approved by: Mgr. Martina Šafrová, Laboratory Manager

SAMPLE

