

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

### 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

Marker	Person A	Person B	Paternity index PI
FGA	21/26	21/26	12.2411257700
D13S317	8/9	8/13	1.9157088120
D21S11	28/30	30/31.2	1.0997141600
D2S1338	17/20	16/17	1.3818407960
D3S1358	16/16	17/18	0.0
CSF1PO	9/11	10/10	0.0
D5S818	10/12	11/12	0.6478745464
D16S539	12/13	9/12	0.7823060075
D7S820	11/12	10/11	1.2081923630
TPOX	8/9	8/11	0.4552157291
TH01	7/9.3	6/9.3	0.7789719626
D8S1179	13/14	10/12	0.0
D18S51	13/15	14/14	0.0
vWA	14/17	15/16	0.0
D19S433	13/14	13/14	1.6982629090
Amelogenin	X/X	X/Y	
<b>Combined paternity index (CPI)</b>		0.0000	
<b>Paternity likelihood ratio (LR)</b>		<0.01 %	
<b>Priori probability</b>		50 %	

**Interpretation:** Analysis was performed using Investigator IDplex Plus Kit (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. The DNA profiles of persons have been assessed together and the first-degree relationship between the person A and B evaluated. There have been found **5** non-compatible markers of total 15 tested markers between the persons A and B, what means that according to Hummel's verbal assessment **the paternity is excluded**.

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.

For the calculation, the proportionally reduced population frequencies taken from the below publication were used: Šimková, H., Faltus, V., Marvan, R., et al. Allele frequency data for 17 short tandem repeats in a Czech population sample. Forensic Science International: Genetics, 2009, vol. 4, no. 1, p. e15-e17.

Report date: 03.03.2009

Method: SOP165, fragment analysis of STR markers

Responsible person: Mgr. Martina Šafrová, Laboratory Manager



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