

Jim Doe
Street 10
12345 Berlin

Case reference : XYZ1234
Ebersberg, 31.08.2017

Paternity Test Certificate

By order of John Test we were requested to perform a paternity test. Following individuals were examined:

SAMPLE NR.	ROLE	NAME	DATE OF BIRTH
HID123830_001	Alleged Father	Jim Doe	11/11/1992
HID123830_002	Child	John Test	22/02/2012

Regarding the sampling of the participants please refer to the protocols in copy.

We received the originals of the identity confirmations and of the consent statements.

Method:

DNA isolation was carried out separately for all samples. Genetic characteristics were determined by the following PCR-single-locus-technology analysis.

Promega PowerPlex 21 (WEN ILS 500)

With the Promega PowerPlex 21 (WEN ILS 500) twenty one (21) independent PCR-systems were analysed: Amelogenin AM, D3S1358, D1S1656, D6S1043, D13S317, Penta E, D16S539, D18S51, D2S1338, CSF1PO, Penta D, TH01, vWA, D21S11, D7S820, D5S818, TPOX, D8S1179, D12S391, D19S433, FGA.

In parallel, positive and negative controls were performed which gave the expected and correct results.

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Results:

The results of the analysis are shown in the following table:

DNA-System	DNA-criteria Jim Doe HID123830_001	DNA-criteria John Test HID123830_002
AM	X, Y	X, Y
D3S1358	14, 14	14, 18
D1S1656	16.3, 17.3	16.3, 17.3
D6S1043	11, 17	17, 17
D13S317	9, 12	9, 9
Penta E	10, 16	10, 16
D16S539	12, 12	12, 13
D18S51	12, 13	13, 14
D2S1338	23, 23	23, 24
CSF1PO	10, 11	9, 10
Penta D	9, 10	8, 9
TH01	6, 6	6, 7
vWA	15, 17	15, 18
D21S11	29, 30	29, 30
D7S820	8, 11	9, 11
D5S818	11, 13	11, 12
TPOX	9, 11	9, 11
D8S1179	13, 14	13, 14
D12S391	18, 18	18, 19
D19S433	13, 14	14, 15
FGA	18, 25	18, 19

In all analyzed PCR systems, Jim Doe does show the genetic markers which have to be present for the biological father of the child John Test. The biostatistical analysis of the PCR systems was performed according to the method of Essen-Möller. The probability of Mr. Jim Doe being the biological father of John Test is $> 99.9999\%$.

Conclusion:

Based on our analysis, it is practically proven that Mr. Jim Doe is the biological father of the child John Test.

Expert I
Project Manager DNA-Forensics

Expert II
Project Manager DNA-Forensics

Eurofins Medigenomix Forensik GmbH carries out all analyses with greatest care and on the basis of state of the art scientific knowledge. All results solely refer to the analysed samples. The results of the statistical evaluation can vary if a near relative (father, brother, uncle, cousin, etc.) could be also the possible father. In the case, please specify the relative that could be the alleged father and we can perform a new statistical evaluation. Our expert's reports must not be duplicated in extracts without consent of Eurofins Medigenomix Forensik GmbH.

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