Case Ref: TEST1234
Date: 14 June 2019

DNA PROFILING TEST REPORT

Alleged Father: Tom Smith

Name of Mother: Lucy Smith

Name of Child: Susie Smith

ALLEGED FATHER	PROBABILITY OF PATERNITY
Tom Smith	99.9999999%

Explanation of Testing

AlphaBiolabs is accredited by the Ministry of Justice as a body that may carry out parentage tests directed by the civil courts in England and Wales under section 20 of the Family Law Reform Act 1969.

A DNA profile was produced for each individual tested consisting of 25 DNA markers (sections of repeat DNA) including 2 sex-specific DNA markers. The number of repeat DNA sequences observed at each of the markers (alleles), were compared between the tested individuals and the probability of a relationship was calculated. The reported probability of paternity compares the alleged father to a randomly-selected, unrelated individual from the same population (assuming a prior probability of 0.5).

Statement

A comparison of the DNA profiles of Tom Smith and Susie Smith, composed of the DNA markers listed in the technical data, shown below, supports the hypothesis that Tom Smith is the biological father of Susie Smith. It is 17,082,613,294 times more likely that Tom Smith is the true biological father of Susie Smith, than another unrelated man from the same population.

The results obtained are consistent with the above named child inheriting DNA markers of the same size from the alleged father. In cases where a close male relative of the tested man could be a potential father to the child it is recommended that where possible any such relative is tested. All tests are performed assuming a close male relative is not a potential father unless this information is provided prior to testing.

Conclusion

This result provides extremely strong support in favour of paternity.

Signed: Name
Position: Reporting Scientist

United Kingdom
14 Webster Court
Carina Park
Warrington
United Kingdom
WA5 8WD

Ireland
Block 4
Harcourt Centre
Harcourt Road
Dublin 2
Ireland

USA
4500 140th Avenue North
Clearwater
Florida
FL 33762
USA

UK Tel: 0333 600 1300 | **Int Tel:** 00 (44) 1925 255 450 | **Email:** info@alphabiolabs.com | **Web:** www.alphabiolabs.co.uk

Case Ref: TEST1234

Date: 14 June 2019

AlphaBiolabs™

	ALLEGED FATHER	CHILD	MOTHER
Name:	Tom Smith	Susie Smith	Lucy Smith
Race:	White British	-	White British
Date Collected:	14 June 2019	14 June 2019	14 June 2019

DNA Marker	Alleles Observed		Alleles Observed		Alleles Observed		PI
D3S1358	14	17	15	17	15	16	2.43
vWA	17	18	17	17	16	17	1.77
D16S539	11	12	12	12	9	12	1.56
CSF1PO	11	11	11	12	12	12	3.44
TPOX	8	9	8	9	8	8	4.63
Yindel**	2	---	---	---	---	---	-----
AMEL	X	Y	X	X	X	X	-----
D8S1179	14	14	12	14	12	14	2.91
D21S11	31	32.2	28	31	27	28	7.69
D18S51	14	14	14	17	15	17	7.19
Penta_E	5	17	5	20	13	20	8.93
D2S441	10	10	10	11	11	13	4.69
D19S433	13	14	12	14	12	13	1.39
TH01	7	9	6	7	6	9.3	2.50
FGA	21	21	21	24	21	24	3.29
D22S1045	15	15	11	15	11	15	2.18
D5S818	12	12	11	12	10	11	2.54
D13S317	12	13	10	12	9	10	1.69
D7S820	9	10	10	11	9	11	2.12
D6S1043	11	12	11	19	11	19	1.27
D10S1248	14	15	14	14	14	15	1.63
D1S1656	12	16	12	15	15	19.3	4.55
D12S391	19	21	19	21	19	21	-----
D2S1338	19	24	17	24	17	18	4.65
Penta_D	9	9	9	12	9	12	2.40

Yindel** is a Y chromosome specific marker which is not found in females.

Combined Paternity Index (CPI): **17,082,613,294**

Probability of Paternity (%): **99.9999999**

Signed: Name

Position: Reporting Scientist

United Kingdom
14 Webster Court
Carina Park
Warrington
United Kingdom
WA5 8WD

Ireland
Block 4
Harcourt Centre
Harcourt Road
Dublin 2
Ireland

USA
4500 140th Avenue North
Clearwater
Florida
FL 33762
USA

UK Tel: 0333 600 1300 | **Int Tel:** 00 (44) 1925 255 450 | **Email:** info@alphabiolabs.com | **Web:** www.alphabiolabs.co.uk