

## Cell Line Authentication Report for Case Number C-30186-1

We have now completed DNA analysis of the samples presented for Cell Line Authentication

**A DNA Profile has been generated from the sample provided by Newcastle University and compared to the relevant profile located on the Cellosaurus Database. A Matching Percentage has been calculated and a value of 97% obtained. Please refer to the detailed results on the second page for further information and interpretation.**

Analysis has been conducted using 17 loci allowing the probability of identity from identical matches an approximate power of discrimination of  $1 \times 10^{14}$  (1 in 100 trillion). Please note that some cell lines may exhibit genetic instability as they proliferate, leading to discrepancies within the DNA profiles examined.

Report Date 22/11/2023

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## Laboratory Report

Test Requested                      Cell Line Authentication  
Case Number                        C-30186-1  
Date Sample Received            13/11/2023  
Date Sample Tested                13/11/2023  
Date Sample Reported            22/11/2023

Sample Name / Cell Line	Cell Line Source / Profile Source	Sample Number	DNA Number
CWR22RV1	Newcastle University	S-1068834	D-1068834
22Rv1 (CVCL_1045)	Cellosaurus Database	N/A	N/A

### Table of Allelic Data

STR Locus	Genotypes		
	CWR22RV1 (Test Sample)	22Rv1 (CVCL_1045) (Comparison Sample)	Match vs. Mis-Match
D5S818	11   13	11   12   13	Mis-Match
D13S317	9   12	9   12	Match
D7S820	9   10   11	9   10   11	Match
D16S539	12   12	12   12	Match
vWA	15   21	15   21	Match
TH01	6   9.3	6   9.3	Match
TPOX	8   8	8   8	Match
CSF1PO	10   11	10   11	Match
AMEL	X   Y	X   Y	Match
D3S1358	15   15	15   15	Match
D21S11	30   30	30   30	Match
D18S51	13   14	13   14	Match
Penta E	5   13	5   13	Match
Penta D	9   12	9   12	Match
D8S1179	13   14	12   13   14	Mis-Match
FGA	20   23	20   23	Match
D19S433	13   14	13   14	Match
D2S1338	17   18	17   18	Match

Matching Percentage:  
Outcome:

**97%**  
**Related**

The outcome percentage is calculated using the Tanabe algorithm. The outcome is designated one of the following statements based upon the outcome percentage:

Related (>80% match)  
Inconclusive (60-79% match)  
No Match (59%>)

The Cell Lines are considered to be related.  
Further profiling is required to determine whether the profiles are related.  
It is considered that the two cell lines are unrelated.

Reported By                      Ms. Ish Jones (Laboratory Scientist)



Authorised By                    Ms. Eleanor Ralston (Senior Scientist)



## Cell Line Authentication Report for Case Number C-30186-3

We have now completed DNA analysis of the samples presented for Cell Line Authentication

**A DNA Profile has been generated from the sample provided by Newcastle University and compared to the relevant profile located on the Cellosaurus Database. A Matching Percentage has been calculated and a value of 95% obtained. Please refer to the detailed results on the second page for further information and interpretation.**

Analysis has been conducted using 17 loci allowing the probability of identity from identical matches an approximate power of discrimination of  $1 \times 10^{14}$  (1 in 100 trillion). Please note that some cell lines may exhibit genetic instability as they proliferate, leading to discrepancies within the DNA profiles examined.

Report Date 22/11/2023

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## Laboratory Report

Test Requested                      Cell Line Authentication  
Case Number                        C-30186-3  
Date Sample Received            13/11/2023  
Date Sample Tested                13/11/2023  
Date Sample Reported            22/11/2023

Sample Name / Cell Line	Cell Line Source / Profile Source	Sample Number	DNA Number
DU145	Newcastle University	S-1068836	D-1068836
DU145 (CVCL_0105)	Cellosaurus Database	N/A	N/A

### Table of Allelic Data

STR Locus	Genotypes		
	DU145 (Test Sample)	DU145 (CVCL_0105) (Comparison Sample)	Match vs. Mis-Match
D5S818	10   13	10   13	Match
D13S317	12   14	12   13   14	Mis-Match
D7S820	7   10   11	7   10   11	Match
D16S539	11   12   13	11   13	Mis-Match
vWA	17   18	17   18   19	Mis-Match
TH01	7   7	7   7	Match
TPOX	11   11	11   11	Match
CSF1PO	10   11	10   11	Match
AMEL	X   Y	X   Y	Match
D3S1358	16   16	16   16	Match
D21S11	30   33	30   33	Match
D18S51	12   12	12   12	Match
Penta E	12   14	12   14	Match
Penta D	9   13	9   13	Match
D8S1179	13   14	13   14	Match
FGA	22   22	22   22	Match
D19S433	13   13	13   13	Match
D2S1338	16   17	16   16	Mis-Match

Matching Percentage: **94%**  
Outcome: **Related**

The outcome percentage is calculated using the Tanabe algorithm. The outcome is designated one of the following statements based upon the outcome percentage:

Related (>80% match)	The Cell Lines are considered to be related.
Inconclusive (60-79% match)	Further profiling is required to determine whether the profiles are related.
No Match (59%>)	It is considered that the two cell lines are unrelated.

Reported By                      Ms. Ish Jones (Laboratory Scientist)



Authorised By                    Ms. Eleanor Ralston (Senior Scientist)



## Cell Line Authentication Report for Case Number C-30186-4

We have now completed DNA analysis of the samples presented for Cell Line Authentication

**A DNA Profile has been generated from the sample provided by Newcastle University and compared to the relevant profile located on the Cellosaurus Database. A Matching Percentage has been calculated and a value of 91% obtained. Please refer to the detailed results on the second page for further information and interpretation.**

Analysis has been conducted using 17 loci allowing the probability of identity from identical matches an approximate power of discrimination of  $1 \times 10^{14}$  (1 in 100 trillion). Please note that some cell lines may exhibit genetic instability as they proliferate, leading to discrepancies within the DNA profiles examined.

Report Date 22/11/2023

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## Laboratory Report

Test Requested                      Cell Line Authentication  
Case Number                        C-30186-4  
Date Sample Received            13/11/2023  
Date Sample Tested                13/11/2023  
Date Sample Reported            22/11/2023

Sample Name / Cell Line	Cell Line Source / Profile Source	Sample Number	DNA Number
LNCAP	Newcastle University	S-1068837	D-1068837
LNCAP (CVCL_0395)	Cellosaurus Database	N/A	N/A

## Table of Allelic Data

STR Locus	Genotypes		
	LNCAP (Test Sample)	LNCAP (CVCL_0395) (Comparison Sample)	Match vs. Mis-Match
D5S818	11   12	11   12	Match
D13S317	10   12	10   12	Match
D7S820	9.1   10.3	9.1   10.3	Match
D16S539	11   11	11   11	Match
vWA	16   18	16   18	Match
TH01	9   9	9   9	Match
TPOX	8   9	8   9	Match
CSF1PO	10   11	10   11	Match
AMEL	X   Y	X   Y	Match
D3S1358	16   16	16   16	Match
D21S11	29   31.2	29   31.2   32.2	Mis-Match
D18S51	11   12	11   12	Match
Penta E	12   15   16	12   16	Mis-Match
Penta D	12   12.4	12   12.4	Match
D8S1179	12   14	12   14	Match
FGA	19   21	19   20	Mis-Match
D19S433	13.2   15	14   15	Mis-Match
D2S1338	16   16	16   16	Match

Matching Percentage:  
Outcome:

**91%**  
**Related**

The outcome percentage is calculated using the Tanabe algorithm. The outcome is designated one of the following statements based upon the outcome percentage:

Related (>80% match)

The Cell Lines are considered to be related.

Inconclusive (60-79% match)

Further profiling is required to determine whether the profiles are related.

No Match (59%>)

It is considered that the two cell lines are unrelated.

Reported By                      Ms. Ish Jones (Laboratory Scientist)



Authorised By                    Ms. Eleanor Ralston (Senior Scientist)



## Cell Line Authentication Report for Case Number C-30186-2

We have now completed DNA analysis of the samples presented for Cell Line Authentication

**A DNA Profile has been generated from the sample provided by Newcastle University and compared to the relevant profile located on the Cellosaurus Database. A Matching Percentage has been calculated and a value of 100% obtained. Please refer to the detailed results on the second page for further information and interpretation.**

Analysis has been conducted using 17 loci allowing the probability of identity from identical matches an approximate power of discrimination of  $1 \times 10^{14}$  (1 in 100 trillion). Please note that some cell lines may exhibit genetic instability as they proliferate, leading to discrepancies within the DNA profiles examined.

Report Date 22/11/2023

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## Laboratory Report

Test Requested                      Cell Line Authentication  
Case Number                        C-30186-2  
Date Sample Received            13/11/2023  
Date Sample Tested                13/11/2023  
Date Sample Reported            22/11/2023

Sample Name / Cell Line	Cell Line Source / Profile Source	Sample Number	DNA Number
PC3	Newcastle University	S-1068835	D-1068835
PC-3 (CVCL_0035)	Cellosaurus Database	N/A	N/A

## Table of Allelic Data

STR Locus	Genotypes		
	PC3 (Test Sample)	PC-3 (CVCL_0035) (Comparison Sample)	Match vs. Mis-Match
D5S818	13   13	13   13	Match
D13S317	11   11	11   11	Match
D7S820	FAIL	8   11	Mis-Match
D16S539	11   11	11   11	Match
vWA	17   17	17   17	Match
TH01	6   7	6   7	Match
TPOX	8   9	8   9	Match
CSF1PO	11   11	11   11	Match
AMEL	X   X	X   X	Match
D3S1358	16   16	16   16	Match
D21S11	29   31.2	29   31.2	Match
D18S51	14   15	14   15	Match
Penta E	10   17	10   17	Match
Penta D	9   9	9   9	Match
D8S1179	13   13	13   13	Match
FGA	24   24	24   24	Match
D19S433	14   14	14   14	Match
D2S1338	18   20	18   20	Match

Matching Percentage:  
Outcome:

**100%**  
**Related**

The outcome percentage is calculated using the Tanabe algorithm. The outcome is designated one of the following statements based upon the outcome percentage:

Related (>80% match)

The Cell Lines are considered to be related.

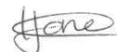
Inconclusive (60-79% match)

Further profiling is required to determine whether the profiles are related.

No Match (59%>)

It is considered that the two cell lines are unrelated.

Reported By                      Ms. Ish Jones (Laboratory Scientist)



Authorised By                    Ms. Eleanor Ralston (Senior Scientist)

