Cell Line Authentication Report

Institution：Cobioer Biosciences CO.,LTD

Customer：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com

Vendor：Cobioer Biosciences CO.,LTD

Attention：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com

1. Sample information:

Sample No.: “SNU-520”

2. Methods:

a. Genomic DNA was extracted from the cell pellets provided by the customer.
b. Samples, together with positive and negative control were amplified using GenePrint System (Promega).
c. Amplified products were processed using the ABI3730xl Genetic Analyzer.
d. Data was analyzed by GeneMapper4.0 software and then compared with the ATCC, DSMZ or JCRB databases for reference matching.

3. Results:

STR profile

Marker	Sample				Database		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	10	13			10	13	
D13S317	8	8			8	8	
D7S820	9	11	12		9	11	
D16S539	9	12			9	12	
VWA	17	18			17	18	
TH01	8	9			8	9	
AMEL	X	X			X	X	
TPOX	7	8			7	8	
CSF1PO	10	11			10	11	
D12S391	18	22					
FGA	21	21					
D2S1338	20	22					
D21S11	29	30					
D18S51	14	14					
D8S1179	11	12					
D3S1358	14	15					
D6S1043	13	18					
PENTAE	16	17					
D19S433	14	14.2					
PENTAD	9	11					
D1S1656	12	15					

4. Conclusion

A. The STR results show that there are no four alleles on the main nine locus, there is certainly no cross contamination of human cells in this cell line.

B. The match percent between the sample and the STR database profile is **97.3%**, the cell name is **SNU-520.**

Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
	Your query		10, 13	9, 11, 12	8, 8	9, 12	17, 18	8, 9	7, 8	10, 11	X, X
SNU-520	KCLB Korea 520	9	10, 13	9, 11	8, 8	9, 12	17, 18	8, 9	7, 8	10, 11	X, X

Note:

1. The STR profile data was compared with the ATCC, DSMZ or JCRB databases, if the cell line is not included in the three institutions, the results are not correct. More information you provided would be useful for Cell Line Authentication.
2. Based on the ANSI Standard, cell lines with 100% match are considered to be "identical"; cell lines with ≥80% but less than 100% match are considered to be "related".

Operator：Xiaomei Liu, Qin Wang

Leader：Wei Zhou

Date：2020-05-27