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

科佰生物Cobioer

1. Sample information:

Sample No.: “OCI-AML-2”

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 were analyzed using 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	12	12			12	12	
D13S317	11	12			11	12	
D7S820	12	12			12	12	
D16S539	12	13			12	13	
VWA	14	17			14	17	
TH01	6	9.3			6	9.3	
AMEL	X	Y			X	Y	
TPOX	11	11			11	11	
CSF1PO	10	12			10	12	
D12S391	25	16					
FGA	19	24					
D2S1338	23	25					
D21S11	29	29					
D18S51	13	14					
D8S1179	12	15					
D3S1358	11	12					
D6S1043	17	19					
PENTAE	12	14					
D19S433	13	14					
PENTAD	12	12					

4. Conclusion

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

B. The percent match between the sample and the STR database profile is **100%**, the cell name is **OCI-AML-2**.

EV	Cell No.	Cell name	Locus names								
			D5S818	D13S317	D7S820	D16S539	VWA	TH01	AM	TPOX	CSF1PO
	Query (Your Cell)		*12,12*	*11,12*	*12,12*	*12,13*	*14,17*	*6,9.3*	*x,y*	*11,11*	*10,12*
1.00(36/36)	99	OCI-AML-2	12,12	11,12	12,12	12,13	14,17	6,9.3	X,Y	11,11	10,12

Note:

1. The STR profile data was compared with the ATCC, DSMZ or JCRB databases, if the cell line was not included in the three institutions, the results was not correct. More information you provide 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

Data：2020-02-27

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