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.: “CFPAC-1”

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
Amelogenin	X	Y			X	Y	
D5S818	10	11			10	11	
D13S317	12	12			12	12	
D7S820	8	10			8	10	
D16S539	9	11			9	11	
vWA	17	17			17	17	
TH01	8	8			8	8	
TPOX	8	8			8	8	
CSF1PO	10	10			10	10	
D19S433	13	15					
D21S11	30	31.2					
D18S51	12	12					
D6S1043	20	20					
D3S1358	16	16					
Penta D	11	13					
D2S441	10	14					
D8S1179	11	15					
Penta E	10	12					
D12S391	17	17					
D2S1338	18	23					
FGA	21	22					

科佰生物Cobioer

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 **100%**, the cell name is **CFPAC-1.**

Similarity	Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
		Your query		10, 11	8, 10	12, 12	9, 11	17, 17	8, 8	8, 8	10, 10	X, Y
100 %	CFPAC-1	CRL-1918	9	10, 11	8, 10	12, 12	9, 11	17, 17	8, 8	8, 8	10, 10	X, Y

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：2025-03-30