Cell Line Authentication Report

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1. Sample information:

Sample No.: “EFO27”

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	Allele4
Amelogenin	X	X			X	X		
D5S818	11	12			11	12		
D13S317	12	13			12	13		
D7S820	8	10			8	10		
D16S539	11	13			11	13		
vWA	13	18			13	18		
TH01	6	8			6	8		
TPOX	8	8			8	8		
CSF1PO	9	10	13	14	9	10	13	14
D19S433	13	14						
D21S11	27	30	31					
D18S51	12	18						
D6S1043	12	20						
D3S1358	14	17						
Penta D	8	9						
D2S441	11	11						
D8S1179	13	15						
Penta E	7	10						
D12S391	18	24	25					
D2S1338	22	25						
FGA	23	25	26					

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 **EFO-27.**

Similarity	Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
		Your query		11, 12	8, 10	12, 13	11, 13	13, 18	6, 8	8, 8	9, 10, 13, 14	X, X
100 %	EFO-27	DSMZ: ACC-191	9	11, 12	8, 10	12, 13	11, 13	13, 18	6, 8	8, 8	10, 13, 9, 14	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".

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Date：2025-07-25