Cell Line Authentication Report

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1. Sample information:

Sample No.: “SNU16”

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	X			X	X	
D5S818	10	13			10	13	
D13S317	8	12			8	12	
D7S820	12	12			12	12	
D16S539	11	13			11	13	
vWA	16	16			16	16	
TH01	6	9			6	9	
TPOX	11	11			11	11	
CSF1PO	12	12			12	12	
D19S433	13	15.2					
D21S11	29	33.2					
D18S51	14	16					
D6S1043	18	20					
D3S1358	15	16					
Penta D	9	12					
D2S441	11.3	12					
D8S1179	14	14					
Penta E	11	17					
D12S391	17	17					
D2S1338	18	19					
FGA	23	23					

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 **SNU-16.**

Similarity	Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
?		Your query		10, 13	12, 12	8, 12	11, 13	16, 16	6, 9	11, 11	12, 12	X, X
100 %	SNU-16	CRL-5974	9	10, 13	12, 12	8, 12	11, 13	16, 16	6, 9	11, 11	12, 12	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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