

Cell Line Authentication Report

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1. Sample information:

Sample No.: “SNU-216”

2. Methods:

- Genomic DNA was extracted from the cell pellets provided by the customer.
- Samples, together with positive and negative control were amplified using GenePrint System (Promega).
- Amplified products were processed using the ABI3730xl Genetic Analyzer.
- 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	11	11			11	11	
D13S317	9	9			9	9	
D7S820	8	10			8	10	
D16S539	10	13			10	13	
VWA	14	20			14	20	
TH01	7	7			7	7	
AMEL	X	X			X	X	
TPOX	9	9			9	9	
CSF1PO	12	12			12	12	
D12S391	18	18					
FGA	21	21					
D2S1338	19	19					
D21S11	30	33.2					
D18S51	16	16					
D8S1179	13	16					
D3S1358	17	17					
D6S1043	18	18					

PENTAE	5	5					
D19S433	15.2	15.2					
PENTAD	9	13					

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-216**.

Similarity	Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
		Your query		11, 11	8, 10	9, 9	10, 13	14, 20	7, 7	9, 9	12, 12	X, X
100 %	SNU-216	KCLB Korea 216	9	11, 11	8, 10	9, 9	10, 13	14, 20	7, 7	9, 9	12, 12	X, X

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 $\geq 80\%$ but less than 100% match are considered to be “related”.

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