

Cell Line Authentication Report

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1. Sample information:

Sample No.: “A-875”

2. Methods:

- Genomic DNA was extracted from the cell pellets provided by the customer.
- Samples, together with positive and negative control were amplified by GenePrint System (Promega).
- Amplified products were processed by 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	13			11	13	
D13S317	8	12			8	12	
D7S820	8	11			8	11	
D16S539	11	12			11	12	
VWA	15	16			15	16	
TH01	9.3	9.3			9.3	9.3	
AMEL	X	X			X	X	
TPOX	8	11			8	11	
CSF1PO	11	12			11	12	
D12S391	20	22					
FGA	22	22					
D2S1338	20	24					
D21S11	28	30.2					
D18S51	17	17					
D8S1179	11	11					
D3S1358	14	15					
D6S1043	19	19					
PENTAE	7	7					
D19S433	13.2	14					
PENTAD	10	10					

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 **A-875**.

Accession	Name	N° Markers	Score	Ame	CSF1PO	D2S1338	D3S1358	D5S818	D7S820	D8S1179	D13S317	D16S539	D18S51	D19S433	D21S11	FGA	Penta D	Penta E	TH01	TPO	VWA
NA	Query	NA	NA	x,x	11,12			11,13	8,11		8,12	11,12							9,9,9,3	8,11	15,16
CVCL_4733	A-875	8	100.00%	X	11,12	20,24	14,15	11,13	8,11	11	8,12	11,12	17	13,2,14	28,30,2	22	10,12	7	9,3	8,11	15,16

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

Operator: Xiaomei Liu, Qin Wang

Leader: Wei Zhou

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