

Cell Line Authentication Report

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1. Sample information:

Sample No.: “JHH-7”

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 were analyzed using 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	13	13			13	13	
D13S317	12	12			12	12	
D7S820	8	11			8	11	
D16S539	13	13			13	13	
VWA	16	18			16	18	
TH01	6	6			6	6	
AMEL	X	Y			X	Y	
TPOX	9	11			9	11	
CSF1PO	13	14			13	14	
D12S391	19	19					
FGA	22	22					
D2S1338	19	19					
D21S11	29	33.2					
D18S51	17	17					
D8S1179	10	11	12				
D3S1358	15	17					
D6S1043	11	20					
PENTAE	10	11					
D19S433	14	14					
PENTAD	12	12					

4. Conclusion

A. The STR results showed that there were no four alleles on the main nine locus, it is certainly no cross contamination of human cells in the cell line.

B. The percent match between the sample and the STR database profile is **100%**, the cell name is **JHH-7**.

Accession	Name	N° Markers	Score	Allele	CSF1PO	D2S1338	D3S1358	D5S818	D7S820	D8S1179	D13S317	D16S539	D18S51	D19S433	D21S11	FGA	Penta D	Penta E	TH01	TPOX	Y-WA
NA	Query	NA	NA	x,y	13,14			13,13	8,11		12,12	13,13							6,6	9,11	16,18
CVCL_2805	JHH-7	8	100.00%	XY	13,14		15,17	13	8,11	10,11	12	13	17		29,33,2	22	12	10,11	6	9,11	16,18

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”.

Operator: Xiaomei Liu, Qin Wang

Leader: Wei Zhou

Data: 2017-11-17