

Cell Line Authentication Report

Institution : KeyGen BioTech

Tel: 025-84989809

1. Sample information:

Cell pellets, No.: "Kasumi-1"

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 10 System (Promega).
- c. Amplified products were processed using the ABI3500 Genetic Analyzer.
- d. 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	Allele1	Allele 2
D3S1358	15	17
TH01	6	9
D21S11	30	31
D18S51	15	16
Penta E	11	
D5S818	9	11
D13S317	11	13
D7S820	8	11
D16S539	9	12
CSF1PO	10	12
Penta D	12	
AMEL	X	
vWA	14	
D8S1179	13	14
TPOX	8	9

FGA	22	24
D19S433	13	15.2
D2S1338	19	

4. Conclusion

- A. The STR results showed that there were no four alleles in each locus, and no cross contamination of human cells was found in the cell line.
- B. The percent match between the sample and the ATCC database profile is 100%, the cell name is Kasumi-1.

Operator : JY