

STR Authentication Report For Cell Line

1. Cell Name: RT4

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25032013			Cell name: RT-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	8	8		8	8	
D7S820	9	12		9	12	
D16S539	9	9		9	9	
VWA	14	17		14	17	
TH01	9	9.3		9	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	10	12		10	12	
D12S391	20	22				
FGA	22	24				
D2S1338	18	19				
D21S11	30	32.2				
D18S51	15	17				
D8S1179	13	15				

D3S1358	15	15				
D6S1043	13	19				
PENTAE	7	10				
D19S433	13	13				
PENTAD	12	13				
D1S1656	14	15				

4. Conclusion: The STR results of **RT4** cells are consistent with the genotypes of **RT4** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-412** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

