

STR Authentication Report For Cell Line

1. Cell Name: RT-112 [RT 112, RT112]

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: STR25022007			Cell name: RT-112		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	13	14		13	14	
D7S820	11	12		11	12	
D16S539	11	13		11	13	
VWA	14	17		14	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	11		10	11	
D12S391	17	24				
FGA	25	25				
D2S1338	17	24				
D21S11	27	30				
D18S51	17	17				
D8S1179	13	15				

D3S1358	15	15				
D6S1043	11	20				
PENTAE	12	16				
D19S433	13	15				
PENTAD	10	10				
D1S1656	13	18				

4. Conclusion: The STR results of **RT-112 [RT 112, RT112]** cells are consistent with the genotypes of **RT-112** cell lines in **ATCC** database, the cell ID corresponded to **ACC-418** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

