

STR Authentication Report For Cell Line

1. Cell Name: RD

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: STR25022011			Cell name: RD		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		11	11	
D13S317	13	13		13	13	
D7S820	8	12		8	12	
D16S539	10	11		10	11	
VWA	18	18		18	18	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	10	11		10	11	
D12S391	20	20				
FGA	20	21				
D2S1338	23	23				
D21S11	28	29				
D18S51	13	17				
D8S1179	11	15				
D3S1358	15	17				
D6S1043	12	12				

PENTAE	12	12				
D19S433	11	14				
PENTAD	11	13				
D1S1656	16	16				

4. Conclusion: The STR results of **RD** cells are consistent with the genotypes of **RD** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-136** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

