STR Authentication Report For Cell Line

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1. Cell Name: 22RV1

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: 22RV1			Cell name: 22RV1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	12	13.0
D13S317	9	12		9	12	
D7S820	9	10	11.0	10	11	9.0
D16S539	12	12		12	12	
VWA	15	21		15	21	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	10	11		10	11	
D12S391	18	25				
FGA	20	23				
D2S1338	17	18				
D21S11	29	30				
D18S51	13	14				
D8S1179	13	14				

D3S1358	14	15				
D6S1043	16	16				
PENTAE	5	13	14.0			
D19S433	13	14				
PENTAD	9	12				
D1S1656	17	18	19.0			

4. Conclusion: The STR results of **22RV1** cells are consistent with the genotypes of **22RV1** cell lines in **DSMZ** database, the cell ID corresponded to **438** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

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