STR Authentication Report For Cell Line

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1. Cell Name: SHP-77

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: SHP-77			Cell name: -SHP-77		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	8	8		8	8	
D7S820	11	11		11	11	
D16S539	11	11		11	11	
VWA	16	16		16	16	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	9	11		9	11	
CSF1PO	10	11		10	11	
D12S391	17	17				
FGA	19	19				
D2S1338	17	23				
D21S11						
D18S51	15	18				
D8S1179	11	13				

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D3S1358	17	17				
D6S1043	11	11				
PENTAE	10	10				
D19S433	14	14				
PENTAD	13	13				
D1S1656	12	15				

4. Conclusion: The STR results of **SHP-77** cells are consistent with the genotypes of **SHP-77** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2195** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

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