

STR Authentication Report For Cell Line

1. Cell Name: LoVo

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: LoVo			Cell name: LoVo		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	8	11		8	11	
D7S820	9.3	10	11.0	9.3	10	11.0
D16S539	9	12		9	12	
VWA	17	18		17	18	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	10	13	14.0	11	13	14.0
D12S391	20	22	23.0			
FGA	18	20				
D2S1338	17	18				
D21S11	29	31.2				
D18S51	13	17	18.0			
D8S1179	10	10				

D3S1358	14	17	18.0			
D6S1043	11	17				
PENTAE	10	16				
D19S433	14	15				
PENTAD	10	14				
D1S1656	13	14	17.0			

4. Conclusion: The STR results of **LoVo** cells are consistent with the genotypes of **LoVo** cell lines in **DSMZ** database, the cell ID corresponded to **IFO50067** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image



