

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			

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

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

