

## STR Authentication Report For Cell Line

1. Cell Name: L-02

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: L-02			Cell name: L-02		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	13.3	13.3		13.3	13.3	
D7S820	12	12		12	12	
D16S539	9	10		9	10	
VWA	16	16		16	18	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	12	12		12	12	
CSF1PO	10	10		10	10	
D12S391	20	20				
FGA	18	21				
D2S1338	17	17				
D21S11	27	28				
D18S51	16	16				
D8S1179	12	12				

D3S1358	15	18				
D6S1043	18	18				
PENTAE	7	17				
D19S433	13	13				
PENTAD	8	15				
D1S1656	12	15				

4. Conclusion: The STR results of **L-02** cells are consistent with the genotypes of **L-02** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_6926** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image



