STR Authentication Report For Cell Line

1. Cell Name: LX-2

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: LX-2			Cell name: LX-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	13		11	13	
D7S820	11	11		11	11	
D16S539	13	13		13	13	
VWA	17	17		17	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	8		8	9	
CSF1PO	10	12		10	12	
D12S391	15	17				
FGA	21	26				
D2S1338	17	17				
D21S11	28	31				
D18S51	12	12				
D8S1179	13	13				

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D3S1358	13	15				
D6S1043	11	12				
PENTAE	5	21				
D19S433	13	15.2				
PENTAD	12	13	15.0			
D1S1656	12	12				

4. Conclusion: The STR results of **LX-2** cells are consistent with the genotypes of **LX-2** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_5792** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

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