

STR Authentication Report For Cell Line

1. Cell Name: LN-229

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: LN-229-Y01-S			Cell name: LN-229		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	11		10	11	
D7S820	8	11		8	11	
D16S539	12	12		12	12	
VWA	16	19		16	19	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	20	22				
FGA	23	23				
D2S1338	19	20				
D21S11	29	30				
D18S51	13	15				
D8S1179	13	14				

D3S1358	16	17				
D6S1043	11	11				
PENTAE	7	16				
D19S433	12	17.2				
PENTAD	10	11				
D1S1656	14	17				

4. Conclusion: The STR results of **LN-229** cells are consistent with the genotypes of **LN-229** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0393** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

