

STR Authentication Report For Cell Line

1. Cell Name: 12Z

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: STR25041129			Cell name: 12Z		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	12	13		12	13	
D7S820	9	12		9	12	
D16S539	13	13		13	13	
VWA	17	17		17	17	
TH01	9	9.3		9	9.3	
AMEL	X	X		X	X	
TPOX	11	12		11	12	
CSF1PO	11	13		11	13	
D12S391	19	24				
FGA	22	23				
D2S1338	19	19				
D21S11	28	30.2				
D18S51	13	15				
D8S1179	10	10				
D3S1358	14	17				
D6S1043	11	11				

PENTAE	11	12				
D19S433	13	14				
PENTAD	9	12				
D1S1656	11	13				

4. Conclusion: The STR results of **12Z** cells are consistent with the genotypes of **12Z** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0Q73** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

