

STR Authentication Report For Cell Line

1. Cell Name: TE-12
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: STR25031425			Cell name: TE-12		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	10	13		10	13	
D16S539	9	10		9	10	
VWA	16	17		16	17	
TH01	9	9		9	9	
AMEL	X	X		X	Y	
TPOX	8	8		8	8	
CSF1PO	11	11		11	11	
D12S391	20	20				
FGA	22	22				
D2S1338	22	24				
D21S11	30	30				
D18S51	16	16				
D8S1179	10	11				
D3S1358	16	16				
D6S1043	17	17				

PENTAE	19	19				
D19S433	12	14.2				
PENTAD	12	12				
D1S1656	13	14				

4. Conclusion: The STR results of **TE-12** cells are consistent with the genotypes of **TE-12** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 1762** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

