

STR Authentication Report For Cell Line

1. Cell Name: TC71

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: TC71			Cell name: TC-71		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	11	12		11	12	
D7S820	10	10		10	10	
D16S539	11	11		11	14	
VWA	17	18		17	18	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	10	11		10	11	
D12S391	20	24				
FGA	24	26				
D2S1338	20	24				
D21S11	29	30				
D18S51	12	15				
D8S1179	10	10				

D3S1358	15	17				
D6S1043	12	14				
PENTAE	12	12				
D19S433	14	14				
PENTAD	11	14				
D1S1656	15	15				

4. Conclusion: The STR results of **TC71** cells are consistent with the genotypes of **TC71** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_2213** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

