

STR Authentication Report For Cell Line

1. Cell Name: KTC-1

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: STR25032714			Cell name: KTC-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	11	11		11	11	
D16S539	12	12		12	12	
VWA	14	17		14	17	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	11	11		11	11	
CSF1PO	10	12		10	12	
D12S391	18	23				
FGA	23	26				
D2S1338	22	23				
D21S11	29	29				
D18S51	12	13				
D8S1179	11	14				

D3S1358	14	15				
D6S1043	14	18				
PENTAE	13	20				
D19S433	13	14				
PENTAD	13	14				
D1S1656	14	14				

4. Conclusion: The STR results of **KTC-1** cells are consistent with the genotypes of **KTC-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_6300** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

