

STR Authentication Report For Cell Line

1. Cell Name: HTh-7

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: STR25032717			Cell name: HTh7		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	14		11	14	
D7S820	8	11		8	11	
D16S539	9	13		9	13	
VWA	14	18		14	18	
TH01	9	9.3		9	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	12		12	12	
D12S391	23	23				
FGA	20	23				
D2S1338	19	20				
D21S11	29	30				
D18S51	16	16				
D8S1179	12	13				

D3S1358	14	15				
D6S1043	14	15	20.0			
PENTAE	12	12				
D19S433	12	13				
PENTAD	10	11				
D1S1656	11	16				

4. Conclusion: The STR results of **HTh-7** cells are consistent with the genotypes of **HTh-7** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_6289** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

