

STR Authentication Report For Cell Line

1. Cell Name: U-2 OS

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: U-2OS			Cell name: U-2 OS		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	13	13		13	13	
D7S820	11	12		11	12	
D16S539	11	12		11	12	
VWA	14	18		14	18	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	11	12		11	12	
CSF1PO	13	13		13	13	
D12S391	19	20				
FGA	20	20				
D2S1338	20	24				
D21S11	31	31				
D18S51	12	14				
D8S1179	12	14				

D3S1358	16	16				
D6S1043	11	11				
PENTAE	10	13				
D19S433	15	15				
PENTAD	9	9				
D1S1656	16	17.3				

4. Conclusion: The STR results of **U-2 OS** cells are consistent with the genotypes of **U-2 OS** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-96** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

