

STR Authentication Report For Cell Line

1. Cell Name: J82
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: STR24103109			Cell name: J82		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	10	12		10	12	
D7S820	9	11		9	11	
D16S539	11	12		11	12	
VWA	17	18		17	18	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	11	12		11	12	
CSF1PO	10	11		10	11	
D12S391	24	24				
FGA	20	24				
D2S1338	19	19				
D21S11	30	30				
D18S51	10	12				
D8S1179	8	13				
D3S1358	16	18				
D6S1043	19	19				

PENTAE	12	15				
D19S433	12	13				
PENTAD	9	9				
D1S1656	14	14				

4. Conclusion: The STR results of **J82** cells are consistent with the genotypes of **J82** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-1** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

