

STR Authentication Report For Cell Line

1. Cell Name: HEC-1-A

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: STR24122011				Cell name: HEC-1-A		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	15			11	15	
D13S317	11	11			11	11	
D7S820	9	11			9	11	
D16S539	12	12			12	12	
VWA	18	19			18	19	
TH01	6	7			6	7	
AMEL	X	X			X	X	
TPOX	8	11			8	11	
CSF1PO	10	12			10	12	
D12S391	19	19					
FGA	21	22					
D2S1338	18	19					
D21S11	30	31					
D18S51	16	21					
D8S1179	13	14					

D3S1358	15	15					
D6S1043	12	18					
PENTAE	11	11					
D19S433	13	13					
PENTAD	8	9	12.0	13.0			
D1S1656	18.3	19					

4. Conclusion: The STR results of **HEC-1-A** cells are consistent with the genotypes of **HEC-1-A** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0293** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

