

## STR Authentication Report For Cell Line

1. Cell Name: HEC-1-B

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: HEC-1-B			Cell name: HEC-1-B		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	11	16		11	16	
D7S820	9	11		9	11	
D16S539	11	12		11	12	
VWA	18	18		18	18	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	12		10	12	
D12S391	18	19				
FGA	21	21				
D2S1338	18	19				
D21S11	30	31				
D18S51	16	20				
D8S1179	13	14				

D3S1358	15	15				
D6S1043	12	18				
PENTAE	11	11				
D19S433	13	13				
PENTAD	9	13				
D1S1656	17	17.3				

4. Conclusion: The STR results of **HEC-1-B** cells are consistent with the genotypes of **HEC-1-B** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-113**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image



