

## STR Authentication Report For Cell Line

1. Cell Name: Hep 3B
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: Hep 3B			Cell name: HEP-3B		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	12	14		12	14	
D7S820	8	10		8	10	
D16S539	10	10		10	10	
VWA	17	17		17	17	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	8	8		8	8	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **Hep 3B** cells are consistent with the genotypes of **Hep 3B** cell lines in **DSMZ** database, the cell ID corresponded to **93** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

