

## STR Authentication Report For Cell Line

1. Cell Name: H1
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: H1			Cell name: WAe001-A-16		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	11		9	11	
D13S317	8	11		8	11	
D7S820	8	12		8	12	
D16S539	9	13		9	13	
VWA	15	17		15	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	12	13		12	13	

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 **H1** cells are consistent with the genotypes of **H1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_RL89** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.