

STR Authentication Report For Cell Line

1. Cell Name: AC16
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: AC16-SBK			Cell name: AC16 [Human hybrid]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	11		9	11	
D13S317	12	13		12	13	
D7S820	10	11	12.0	10	11	12.0
D16S539	11	13		11	13	
VWA	16	18		16	18	
TH01	7	8	9.3	7	8	9.3
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	9	11	12.0	9	11	12.0

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 **AC16** cells are consistent with the genotypes of **AC16** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_4U18** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

