

STR Authentication Report For Cell Line

1. Cell Name: ACHN

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: ACHN			Cell name: ACHN		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	12	12		12	12	
D7S820	9	11		9	11	
D16S539	12	13		12	13	
VWA	16	17		16	17	
TH01	8	8		8	8	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	11		11	11	
D12S391	19	22				
FGA	22	22				
D2S1338	17	17				
D21S11	30	30				
D18S51	16	16				
D8S1179	12	12				

D3S1358	17	17				
D6S1043	11	11				
PENTAE	16	16				
D19S433	14	15				
PENTAD	12	12				
D1S1656	17.3	17.3				

4. Conclusion: The STR results of **ACHN** cells are consistent with the genotypes of **ACHN** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1611** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

