

STR Authentication Report For Cell Line

1. Cell Name: Calu-6

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: STR24112715			Cell name: Calu-6		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	11		11	11	
D7S820	10	10		10	10	
D16S539	13	13		13	13	
VWA	17	17		17	17	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	24	24				
FGA	22	22				
D2S1338	17	26				
D21S11	31	31				
D18S51	12	16				
D8S1179	10	14				

D3S1358	16	16				
D6S1043	13	19				
PENTAE	5	14				
D19S433	13	13				
PENTAD	13	13				
D1S1656	18.3	18.3				

4. Conclusion: The STR results of **Calu-6** cells are consistent with the genotypes of **Calu-6** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-734** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

