

## STR Authentication Report For Cell Line

1. Cell Name: Calu-1

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: STR24122009			Cell name: Calu-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	12		10	12	
D13S317	11	12		11	12	
D7S820	9	10		9	10	
D16S539	11	11		11	11	
VWA	15	16		15	16	
TH01	9	9.3		9	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	10		10	10	
D12S391	18	20				
FGA	20	21				
D2S1338	16	16				
D21S11	28	28				
D18S51	14	17				
D8S1179	10	10				

D3S1358	17	17				
D6S1043	17	19				
PENTAE	11	11				
D19S433	13	15				
PENTAD	9	9				
D1S1656	15	16.3				

4. Conclusion: The STR results of **Calu-1** cells are consistent with the genotypes of **Calu-1** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-54** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

