

STR Authentication Report For Cell Line

1. Cell Name: Calu-3
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: Calu-3-Y02-Z			Cell name: Calu-3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	10	11		10	11	
D16S539	12	14		12	14	
VWA	16	17		16	17	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	20	21	22.0			
FGA	25	25				
D2S1338	19	19				
D21S11	28	30				
D18S51	17	17				
D8S1179	11	15				
D3S1358	15	18				
D6S1043	11	11				

PENTAE	5	21				
D19S433	12	13				
PENTAD	9	16				
D1S1656	12	15.3				

4. Conclusion: The STR results of **Calu-3** cells are consistent with the genotypes of **Calu-3** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-55** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

