

STR Authentication Report For Cell Line

1. Cell Name: CAL-62

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: STR25031402			Cell name: CAL-62		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	12		9	12	
D13S317	12	12		12	12	
D7S820	10	10		10	10	
D16S539	12	13		12	13	
VWA	16	16		16	16	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	9	12		9	12	
D12S391	22	22				
FGA	19	19				
D2S1338	19	23				
D21S11	32.2	32.2				
D18S51	16	16				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	12	12				

PENTAE	5	10				
D19S433	14	14				
PENTAD	13	13				
D1S1656	17.3	17.3				

4. Conclusion: The STR results of **CAL-62** cells are consistent with the genotypes of **CAL-62** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-448** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

