

STR Authentication Report For Cell Line

1. Cell Name: IMR-32

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: STR24103118			Cell name: IMR-32		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	9	9		9	9	
D7S820	9	10		9	10	
D16S539	8	8		8	8	
VWA	15	15		15	15	
TH01	7	9.3		7	9.3	
AMEL	X	Y		X	Y	
TPOX	11	11		11	11	
CSF1PO	11	12		11	12	
D12S391	23	23				
FGA	21	24				
D2S1338	23	24				
D21S11	30	31				
D18S51	12	15				
D8S1179	13	13				

D3S1358	16	16				
D6S1043	14	18				
PENTAE	7	15				
D19S433	14	15				
PENTAD	11	12				
D1S1656	17	17.3				

4. Conclusion: The STR results of **IMR-32** cells are consistent with the genotypes of **IMR-32** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-165** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

