

STR Authentication Report For Cell Line

1. Cell Name: IMR-90

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: STR24103117			Cell name: IMR-90		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	11	13		11	13	
D7S820	9	12		9	12	
D16S539	10	13		10	13	
VWA	16	19		16	19	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	11	13		11	13	
D12S391	18	21				
FGA	25	26				
D2S1338	19	25				
D21S11	30.2	31				
D18S51	17	17				
D8S1179	13	14				

D3S1358	14	15				
D6S1043	11	19				
PENTAE	5	5				
D19S433	10	13				
PENTAD	5	12				
D1S1656	11	15				

4. Conclusion: The STR results of **IMR-90** cells are consistent with the genotypes of **IMR-90** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-186** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

