

STR Authentication Report For Cell Line

1. Cell Name: OVCAR-5

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: STR25041102			Cell name: OVCAR-5		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	10	13		10	13	
D7S820	10	10		10	10	
D16S539	11	11		11	11	
VWA	16	16		16	16	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	10		10	10	
D12S391	21	21				
FGA	23	23				
D2S1338	17	23				
D21S11	31	31				
D18S51	12	12				
D8S1179	13	14				
D3S1358	15	16				
D6S1043	12	19				

PENTAE	9	16				
D19S433	13	14				
PENTAD	12	12				
D1S1656	15	17.3				

4. Conclusion: The STR results of **OVCAR-5** cells are consistent with the genotypes of **OVCAR-5** cell lines in **DSMZ** database, the cell ID corresponded to **NCI-60 panel** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

