

STR Authentication Report For Cell Line

1. Cell Name: PC-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: PC-3			Cell name: PC-3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	11		11	11	
D7S820	8	11		8	11	
D16S539	11	11		11	11	
VWA	17	17		17	17	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	11	11		11	11	
D12S391	21	21				
FGA	24	24				
D2S1338	18	20				
D21S11	29	31.2				
D18S51	14	15				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	18	18				

PENTAE	10	17				
D19S433	14	17.2				
PENTAD	9	9				
D1S1656	12	16				

4. Conclusion: The STR results of **PC-3** cells are consistent with the genotypes of **PC-3** cell lines in **DSMZ** database, the cell ID corresponded to **465** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

