

STR Authentication Report For Cell Line

1. Cell Name: LNCaP Clone FGC

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: LNCAP			Cell name: LNCAP		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	12		10	12	
D7S820	9.1	10.3		9.1	10.3	
D16S539	11	11		11	11	
VWA	16	18		16	18	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	10	11		10	11	
D12S391	21	22				
FGA	19	20				
D2S1338	16	16				
D21S11	29	32.2				
D18S51	11	12				
D8S1179	12	13	14.0			
D3S1358	15	16				
D6S1043	11	12	18.0			

PENTAE	12	16				
D19S433	13.2	15				
PENTAD	12	12				
D1S1656	16	16				

4. Conclusion: The STR results of **LNCaP Clone FGC** cells are consistent with the genotypes of **LNCaP Clone FGC** cell lines in **DSMZ** database, the cell ID corresponded to **256**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

