

## STR Authentication Report For Cell Line

1. Cell Name: DU145

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: DU 145-Y02-Z			Cell name: DU145		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	12	14		12	14	
D7S820	7	10	11.0	7	10	11.0
D16S539	11	11		11	13	
VWA	17	18		17	18	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	11	11		11	11	
CSF1PO	10	11		10	11	
D12S391	18	21				
FGA	21	22				
D2S1338	16	16				
D21S11	30	33				
D18S51	12	12				
D8S1179	13	14				

D3S1358	16	16				
D6S1043	10	11				
PENTAE	12	14				
D19S433	13	13				
PENTAD	9	13				
D1S1656	15	16	17.3			

4. Conclusion: The STR results of **DU145** cells are consistent with the genotypes of **DU145** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_0105** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

