

STR Authentication Report For Cell Line

1. Cell Name: Hela
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: hela-Y04-K-			Cell name: HELA		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	13.3		12	13.3	
D7S820	8	12		8	12	
D16S539	9	10		9	10	
VWA	16	18		16	18	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	9	10		9	10	
D12S391	20	24	25.0			
FGA	21	21				
D2S1338	17	17				
D21S11	27	28				
D18S51	16	16				
D8S1179	12	13				
D3S1358	15	18				
D6S1043	18	19				

PENTAE	7	17				
D19S433	13	14				
PENTAD	8	15				
D1S1656	12	15				

4. Conclusion: The STR results of **Hela** cells are consistent with the genotypes of **Hela** cell lines in **DSMZ** database, the cell ID corresponded to **57** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

