

STR Authentication Report For Cell Line

1. Cell Name: HNE1

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: STR25041111			Cell name: HNE-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	12	13.3	10	12	13.3
D7S820	10	12		10	12	
D16S539	9	10		9	10	
VWA	14	16		14	16	
TH01	6	7	9.0	6	7	9.0
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	10	11		10	11	
D12S391	20	21				
FGA	18	21				
D2S1338	17	23				
D21S11	27	30				
D18S51	13	16				
D8S1179	12	16				
D3S1358	15	18				
D6S1043	11	18				

PENTAE	15	17	20.0			
D19S433	13	13				
PENTAD	9	12				
D1S1656	12	15	16.0			

4. Conclusion: The STR results of **HNE1** cells are consistent with the genotypes of **HNE1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0308**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

