

STR Authentication Report For Cell Line

1. Cell Name: HK-1

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: STR25091601			Cell name: NPC/HK1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	11	11		11	11	
D7S820	8	11		8	11	
D16S539	9	11		9	11	
VWA	18	19		18	19	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	17	19				
FGA	26	26				
D2S1338	20	23				
D21S11	28	29				
D18S51	17	17				
D8S1179	11	13				

D3S1358	15	15				
D6S1043	12	20				
PENTAE	15	19				
D19S433	14	14				
PENTAD	9	12				
D1S1656	15	15				

4. Conclusion: The STR results of **HK-1** cells are consistent with the genotypes of **NPC/HK1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_7084** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

