

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: C20220116D03			Cell name: NPC/HK1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11.0	13.0	
D13S317	11	11		11.0	11.0	
D7S820	8	11		8.0	11.0	
D16S539	9	11		9.0	11.0	
VWA	18	19		18.0	19.0	
TH01	7	9		7.0	9.0	
AMEL	X	X				
TPOX	8	11		8.0	11.0	
CSF1PO	11	12		11.0	12.0	
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 **basically matched**. In the test, **No multi allele was found** in this cell line.

