

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: HK-1			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	

4. Conclusion: The STR results of **HK-1** cells are consistent with the genotypes of **HK-1** 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.