

STR Authentication Report For Cell Line

1. Cell Name: HK-2

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: HK2-Y01-K			Cell name: HK-2 [Human kidney]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	9	9		9	9	
D7S820	10	11		10	11	
D16S539	11	12		11	12	
VWA	17	18		17	18	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	13	13		13	13	
D12S391	18	22				
FGA	20	22				
D2S1338	17	25				
D21S11	28	30				
D18S51	12	12				
D8S1179	10	14				

D3S1358	16	17				
D6S1043	12	13				
PENTAE	10	11				
D19S433	15	15.2				
PENTAD	9	12				
D1S1656	12	13				

4. Conclusion: The STR results of **HK-2** cells are consistent with the genotypes of **HK-2** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0302** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

