

STR Authentication Report For Cell Line

1. Cell Name: KU812

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: STR25012011			Cell name: KU-812		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	8	8		8	8	
D7S820	12	12		12	12	
D16S539	9	9		9	9	
VWA	15	15		15	15	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	12	12		12	12	
CSF1PO	12	13		12	13	
D12S391	17	17				
FGA	22	24				
D2S1338	18	18				
D21S11	30	31.2				
D18S51	13	13				
D8S1179	11	15				

D3S1358	15	15				
D6S1043	11	20				
PENTAE	5	19				
D19S433	13	14				
PENTAD	12	12				
D1S1656	16	17	18.0			

4. Conclusion: The STR results of **KU812** cells are consistent with the genotypes of **KU812** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-378** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

