

## STR Authentication Report For Cell Line

1. Cell Name: KU-19-19

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: STR25032004			Cell name: KU-19-19		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	10	12		10	12	
D16S539	10	12		10	12	
VWA	14	15		14	15	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	9	10		9	10	
D12S391	19	21				
FGA	22	22				
D2S1338	19	19				
D21S11	30	32				
D18S51	17	20				
D8S1179	10	13				

D3S1358	16	17				
D6S1043	18	18				
PENTAE	10	15				
D19S433	13	14.2				
PENTAD	13	13				
D1S1656	13	16				

4. Conclusion: The STR results of **KU-19-19** cells are consistent with the genotypes of **KU-19-19** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-395** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

