

## STR Authentication Report For Cell Line

1. Cell Name: Caki-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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25022001			Cell name: CAKI-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	10	10		10	10	
D7S820	12	12		12	12	
D16S539	9	13		9	13	
VWA	16	17		16	17	
TH01	6	6		6	6	
AMEL	X	Y		X	Y	
TPOX	9	11		9	11	
CSF1PO	10	12		10	12	
D12S391	19	23				
FGA	22	22				
D2S1338	17	20				
D21S11	27	31				
D18S51	17	17				
D8S1179	10	10				
D3S1358	14	14				
D6S1043	11	17				

PENTAE	7	17				
D19S433	13	14				
PENTAD	10	13				
D1S1656	12	14				

4. Conclusion: The STR results of **Caki-2** cells are consistent with the genotypes of **Caki-2** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-54** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

