

STR Authentication Report For Cell Line

1. Cell Name: KYSE-510

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: STR25030713			Cell name: KYSE-510		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	11	12		11	12	
D16S539	9	9		9	9	
VWA	14	14		14	14	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	13		11	13	
D12S391	18	21				
FGA	22	22				
D2S1338	20	23				
D21S11	31	31				
D18S51	15	15				
D8S1179	10	10				
D3S1358	17	17				
D6S1043	14	14				

PENTAE	16	16				
D19S433	15	15				
PENTAD	12	12				
D1S1656	13	13				

4. Conclusion: The STR results of **KYSE-510** cells are consistent with the genotypes of **KYSE-510** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-374**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

