

STR Authentication Report For Cell Line

1. Cell Name: KYSE-30

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: KYSE-30			Cell name: KYSE-30		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	9	9		9	9	
D7S820	11	11.3		11	11.3	
D16S539	10	12		10	12	
VWA	16	18	19.0	16	18	19.0
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	10	10		10	10	
D12S391	17	19				
FGA	24	24				
D2S1338	23	23				
D21S11	28	28				
D18S51	14	14				
D8S1179	12	15				
D3S1358	15	16				
D6S1043	11	20				

PENTAE	13	13				
D19S433	14.2	15.2				
PENTAD	12	12				
D1S1656	15	16				

4. Conclusion: The STR results of **KYSE-30** cells are consistent with the genotypes of **KYSE-30** cell lines in **DSMZ** database, the cell ID corresponded to **351** , and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

