

STR Authentication Report For Cell Line

1. Cell Name: KYSE-150
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-150			Cell name: KYSE-150		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	8	11		8	11	
D7S820	10	11		10	11	
D16S539	9	11		9	11	
VWA	16	17		16	17	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	12	13		12	13	
D12S391	19	22				
FGA	21	24				
D2S1338	25	25				
D21S11	30	31				
D18S51	14	14				
D8S1179	10	15				
D3S1358	15	16				
D6S1043	18	20				

PENTAE	12	18				
D19S433	15	15				
PENTAD	10	10				
D1S1656	15	17.3				

4. Conclusion: The STR results of **KYSE-150** cells are consistent with the genotypes of **KYSE-150** cell lines in **DSMZ** database, the cell ID corresponded to **375** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

