

## STR Authentication Report For Cell Line

1. Cell Name: KYSE-180

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: STR24122008			Cell name: KYSE-180		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	8	11		8	11	
D13S317	9	12		9	12	
D7S820	9	12		9	12	
D16S539	9	10		9	10	
VWA	16	17		16	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	13		12	13	
D12S391	18	19				
FGA	19	21				
D2S1338	27	27				
D21S11	30	30				
D18S51	20	20				
D8S1179	10	12				

D3S1358	15	15				
D6S1043	11	11				
PENTAE	5	12				
D19S433	14	15.2				
PENTAD	9	9				
D1S1656	16	16				

4. Conclusion: The STR results of **KYSE-180** cells are consistent with the genotypes of **KYSE-180** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-379** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

