

STR Authentication Report For Cell Line

1. Cell Name: A172
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: A172-Y01-Z			Cell name: A-172 [A172]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	11	11		11	11	
D16S539	12	12		12	12	
VWA	20	20		20	20	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	9	12		9	12	
D12S391	22	22				
FGA	20	22				
D2S1338	20	21				
D21S11	28	32.2				
D18S51	12	13				
D8S1179	13	14				
D3S1358	14	18				
D6S1043	13	18				

PENTAE	5	10				
D19S433	12	15.2				
PENTAD	9	13				
D1S1656	12	14				

4. Conclusion: The STR results of **A172** cells are consistent with the genotypes of **A-172** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1620** , and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

