

STR Authentication Report For Cell Line

1. Cell Name: A2780

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: STR25012012			Cell name: A2780		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		11	12	
D13S317	12	13		12	13	
D7S820	10	10		10	10	
D16S539	11	13		11	13	
VWA	15	16		15	16	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	10	11		10	11	
D12S391	19	20				
FGA	19	24				
D2S1338	21	22				
D21S11	28	29				
D18S51	17	17				
D8S1179	15	17				
D3S1358	14	16				
D6S1043	11	17				

PENTAE	10	13				
D19S433	12	12				
PENTAD	8	9				
D1S1656	12	13	15.0			

4. Conclusion: The STR results of **A2780** cells are consistent with the genotypes of **A2780** cell lines in **DSMZ** database, the cell ID corresponded to **HPACC** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

