

## STR Authentication Report For Cell Line

1. Cell Name: HT-1080

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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: HT-1080-Y01-Z			Cell name: HT-1080		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	12	14		12	14	
D7S820	9	10		9	10	
D16S539	9	12		9	12	
VWA	14	19		14	19	
TH01	6	6		6	6	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	20	22				
FGA	22	25				
D2S1338	25	26				
D21S11	28	29	30.0			
D18S51	12	18				
D8S1179	13	14				
D3S1358	16	16				
D6S1043	12	18				

PENTAE	5	15				
D19S433	13.2	15				
PENTAD	9	12				
D1S1656	16	17.3				

4. Conclusion: The STR results of **HT-1080** cells are consistent with the genotypes of **HT-1080** cell lines in **DSMZ** database, the cell ID corresponded to **315** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

### 5. Attached Image

