

## STR Authentication Report For Cell Line

1. Cell Name: MFE-280
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: MFE-280			Cell name: MFE-280		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	12		10	12	
D7S820	10	10		10	10	
D16S539	12	12		12	12	
VWA	17	17		17	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	9	10		9	10	
CSF1PO	9	12		9	12	
D12S391	22	22				
FGA	21	24				
D2S1338	19	20				
D21S11	30	30				
D18S51	13	18				
D8S1179	11	13				
D3S1358	18	18				
D6S1043	14	16				

PENTAE	7	13				
D19S433	13	16				
PENTAD	9	9				
D1S1656	15	16				

4. Conclusion: The STR results of **MFE-280** cells are consistent with the genotypes of **MFE-280** cell lines in **DSMZ** database, the cell ID corresponded to **410** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

