

## STR Authentication Report For Cell Line

1. Cell Name: REC-1

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: STR24103106			Cell name: REC-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	10	10		10	10	
D7S820	10	11		10	11	
D16S539	11	11		11	11	
VWA	17	17		17	17	
TH01	9	9.3		9	9.3	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	18	18				
FGA	22	23				
D2S1338	17	17				
D21S11	28	29				
D18S51	14	16				
D8S1179	11	12				
D3S1358	15	16				
D6S1043	11	12				

PENTAE	19	19				
D19S433	14	15				
PENTAD	9	13				
D1S1656	11	11				

4. Conclusion: The STR results of **REC-1** cells are consistent with the genotypes of **REC-1** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-584** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

