STR Authentication Report For Cell Line

1. Cell Name: Sw480

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 profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: Sw480			Cell name: SW-480		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	12	12		12	12	
D7S820	8	8		8	8	
D16S539	13	13		13	13	
VWA	16	16		16	16	
TH01	8	8		8	8	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	13	14		13	14	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **SW480** cells are consistent with the genotypes of **SW480** cell lines in **DSMZ** database, the cell ID corresponded to **313** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image