

STR Authentication Report For Cell Line

1. Cell Name: MGC-803
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: MGC-803				Cell name: MGC-803		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	10	11	12.0		10	11	12.0
D13S317	7	13.3			7	13.3	
D7S820	11	12			11	12	
D16S539	9	11			9	11	
VWA	16	17	18.0		16	17	18.0
TH01	7	9			7	9	
AMEL	X	X			X	X	
TPOX	12	12			12	12	
CSF1PO	9	10	12.0		9	10	12.0

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 **MGC-803** cells are consistent with the genotypes of cell lines in database, the cell ID corresponded to , and the STR results **basically matched**. In the test, **None** in this cell line.

5. Attached Image

