

STR Authentication Report For Cell Line

1. Cell Name: HGC-27

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: HGC-27-Y01-ZKY-ZZK			Cell name: HGC-27		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	10	11		10	11	
D7S820	11	12	13.0	11	12	13.0
D16S539	10	11		10	11	
VWA	14	14		14	14	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	20	21				
FGA	22	22				
D2S1338	22	24				
D21S11	30	33	34.0			
D18S51	16	17				
D8S1179	11	11				
D3S1358	17	17				
D6S1043	18	18				

PENTAE	18	18				
D19S433	14	14				
PENTAD	9	13				
D1S1656	14	16				

4. Conclusion: The STR results of **HGC-27** cells are consistent with the genotypes of **HGC-27** cell lines in **DSMZ** database, the cell ID corresponded to **RCB0500**, and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

