

STR Authentication Report For Cell Line

1. Cell Name: AGS

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: AGS			Cell name: AGS		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	12		9	12	
D13S317	12	12		12	12	
D7S820	10	11		10	11	
D16S539	11	13		11	13	
VWA	16	17		16	17	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	11	12		11	12	
CSF1PO	11	12		11	12	
D12S391	19	20				
FGA	23	24				
D2S1338	20	22				
D21S11	29	29				
D18S51	13	13				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	12	14				

PENTAE	13	16				
D19S433	13.2	16				
PENTAD	9	10				
D1S1656	14	16				

4. Conclusion: The STR results of **AGS** cells are consistent with the genotypes of **AGS** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1739** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

