

STR Authentication Report For Cell Line

1. Cell Name: A-498
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: STR24091210			Cell name: A-498		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	12	12		12	12	
D7S820	10	11		10	11	
D16S539	12	12		12	12	
VWA	18	18		18	18	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	21	21				
FGA	18	20				
D2S1338	26	26				
D21S11	28	32				
D18S51	17	17				
D8S1179	13	15				
D3S1358	15	15				
D6S1043	11	11				

PENTAE	10	14				
D19S433	12	12				
PENTAD	9	14				
D1S1656	14	17.3				

4. Conclusion: The STR results of **A-498** cells are consistent with the genotypes of **A-498** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-CRL-7908**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

