

STR Authentication Report For Cell Line

1. Cell Name: MEG-01

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: STR24112702			Cell name: MEG-01		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	8	8		8	8	
D7S820	11	11		11	11	
D16S539	9	9		9	9	
VWA	16	16		16	16	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	10	10		10	10	
D12S391	19	19				
FGA	26	26				
D2S1338	19	19				
D21S11	29	29				
D18S51	18	22				
D8S1179	14	15				

D3S1358	15	15				
D6S1043	14	15	18.0			
PENTAE	15	15				
D19S433	14	15.2				
PENTAD	11	13				
D1S1656	14	14				

4. Conclusion: The STR results of **MEG-01** cells are consistent with the genotypes of **MEG-01** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-364** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

