

## STR Authentication Report For Cell Line

1. Cell Name: JEG-3

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: STR24103103			Cell name: JEG-3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	9	11		9	11	
D7S820	10	12		10	12	
D16S539	13	14		13	14	
VWA	16	16		16	16	
TH01	9	9.3		9	9.3	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	17	24				
FGA	23	24				
D2S1338	24	24				
D21S11	30	30				
D18S51	14	14				
D8S1179	12	12				

D3S1358	15	16				
D6S1043	11	11				
PENTAE	8	12				
D19S433	13	15				
PENTAD	9	12				
D1S1656	14	16				

4. Conclusion: The STR results of **JEG-3** cells are consistent with the genotypes of **JEG-3** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-463** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

