

STR Authentication Report For Cell Line

1. Cell Name: EB-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: STR24112711			Cell name: EB-3 [EB3]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	10		9	10	
D13S317	12	14		12	14	
D7S820	11	11		11	11	
D16S539	10	12		10	12	
VWA	17	19		17	19	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	6	9		6	9	
CSF1PO	12	15		12	15	
D12S391	15	15				
FGA	22	22				
D2S1338	17	22				
D21S11	29	29				
D18S51	15	17				
D8S1179	14	14				

D3S1358	15	16				
D6S1043	11	13				
PENTAE	14	16				
D19S433	12.2	16.2				
PENTAD	10	11				
D1S1656	13	15				

4. Conclusion: The STR results of **EB-3** cells are consistent with the genotypes of **EB-3** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-85** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

