

STR Authentication Report For Cell Line

1. Cell Name: ABC-1

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: STR25103001			Cell name: ABC-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	8	8		8	8	
D7S820	10	12		10	12	
D16S539	9	12		9	12	
VWA	16	16		16	16	
TH01	10	10		10	10	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	20	20				
FGA	22	22				
D2S1338	19	24				
D21S11	30	32.2				
D18S51	18	18				
D8S1179	13	14				

D3S1358	15	15				
D6S1043	18	18				
PENTAE	5	16				
D19S433	13	13				
PENTAD	8	11				
D1S1656	16	18.3				

4. Conclusion: The STR results of **ABC-1** cells are consistent with the genotypes of **ABC-1** cell lines in **ATCC** database, the cell ID corresponded to **JCRB0815** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

