

STR Authentication Report For Cell Line

1. Cell Name: C643
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: STR25031401			Cell name: C-643		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	8	10		8	10	
D7S820	9	12		9	12	
D16S539	9	13		9	13	
VWA	15	17		15	17	
TH01	9.3	10		9.3	10	
AMEL	X	Y		X	Y	
TPOX	11	12		11	12	
CSF1PO	10	11		10	11	
D12S391	17	20				
FGA	18	21				
D2S1338	20	25				
D21S11	28	28				
D18S51	14	14				
D8S1179	11	13				
D3S1358	15	15				
D6S1043	11	17				

PENTAE	5	15				
D19S433	13	15				
PENTAD	9	9				
D1S1656	17	17.3				

4. Conclusion: The STR results of **C643** cells are consistent with the genotypes of **C643** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_5969**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

