

STR Authentication Report For Cell Line

1. Cell Name: CW-2

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: STR25012002			Cell name: CW-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	9	11		9	11	
D7S820	10	13		10	13	
D16S539	9	9		9	9	
VWA	18	21		18	21	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	11	14		11	14	
D12S391	18	19	20.0			
FGA	21	22				
D2S1338	18	18				
D21S11	30	31				
D18S51	12	13				
D8S1179	15	17				
D3S1358	16	17				
D6S1043	16	16				

PENTAE	11	14				
D19S433	12	13.2	14.2			
PENTAD	10	11				
D1S1656	16	17	18.0			

4. Conclusion: The STR results of **CW-2** cells are consistent with the genotypes of **CW-2** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 1151** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

