

STR Authentication Report For Cell Line

1. Cell Name: IGROV-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: STR25111201					Cell name: IGROV-1		
	Allele1	Allele2	Allele3	Allele4	Allele5	Allele1	Allele2	Allele3
D5S818	12	13				12	13	
D13S317	8	10				8	10	
D7S820	9.1	10.1	10.2			9.1	10.1	11.1
D16S539	11	12				11	12	
VWA	16	20				16	17	20.0
TH01	7	9.3				7	9.3	
AMEL	X	X				X	X	
TPOX	8	11				8	11	
CSF1PO	11	16				11	16	
D12S391	19	20	24.0	26.0	27.0			
FGA	20	21	26.0					
D2S1338	17	25	26.0					
D21S11	26	30.2						
D18S51	15	16						
D8S1179	14	15	16.0					

D3S1358	13	14	15.0					
D6S1043	12	18	19.0					
PENTAE	13	17						
D19S433	13	14						
PENTAD	8	10						
D1S1656	11	12	13.0	15.0	16.0			

4. Conclusion: The STR results of **IGROV-1** cells are consistent with the genotypes of **IGROV-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_1304**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

