

STR Authentication Report For Cell Line

1. Cell Name: ISHIKAWA

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: ISHIKAWA-Luc				Cell name: Ishikawa		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	10	11			10	11	
D13S317	9	12			9	12	
D7S820	9	10			9	10	
D16S539	9	9			9	9	
VWA	14	17			14	17	
TH01	9	10			9	10	
AMEL	X	X			X	X	
TPOX	8	8			8	8	
CSF1PO	12	13			11	12	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **ISHIKAWA** cells are consistent with the genotypes of **ISHIKAWA** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL_2529**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

