

STR Authentication Report For Cell Line

1. Cell Name: RPMI 8226

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: STR24091205			Cell name: RPMI-8226		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	11	11		11	11	
D7S820	9	10		9	10	
D16S539	9	9		9	9	
VWA	16	18		16	18	
TH01	8	8		8	8	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	16	19				
FGA	19	19				
D2S1338	20	20				
D21S11	28	29				
D18S51	15	19				
D8S1179	13	13				

D3S1358	16	17				
D6S1043	14	18				
PENTAE	16	17				
D19S433	13.2	14				
PENTAD	3	11				
D1S1656	13	13				

4. Conclusion: The STR results of **RPMI 8226** cells are consistent with the genotypes of **RPMI 8226** cell lines in **ATCC** database, the cell ID corresponded to **CCL-155** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

