

STR Authentication Report For Cell Line

1. Cell Name: MuM2B

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: STR25031418			Cell name: MuM-2B		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	12	12		12	12	
D16S539	12	12		8	12	
VWA	16	17		16	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	10	11		10	11	
D12S391	17	22				
FGA	20	21				
D2S1338	24	25				
D21S11	30	30				
D18S51	15	15				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	11	12				

PENTAE	7	13				
D19S433	13	14				
PENTAD	9	13				
D1S1656	12	15				

4. Conclusion: The STR results of **MuM2B** cells are consistent with the genotypes of **MuM2B** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3447**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

