

## STR Authentication Report For Cell Line

1. Cell Name: U-138 MG

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: STR25031429			Cell name: U-138MG		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	9	9		9	11	
D7S820	9	9		9	9	
D16S539	12	13		12	13	
VWA	18	18		18	18	
TH01	6	6		6	6	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	19	22				
FGA	23	23				
D2S1338	23	25				
D21S11	27	32.2				
D18S51	13	13				
D8S1179	14	15				

D3S1358	15	15				
D6S1043	12	12				
PENTAE	7	7				
D19S433	13	13				
PENTAD	10	13				
D1S1656	11	11				

4. Conclusion: The STR results of **U-138 MG** cells are consistent with the genotypes of **U-138 MG** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL\_0020** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

