

STR Authentication Report For Cell Line

1. Cell Name: MeWo

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: STR25032016			Cell name: MeWo		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	8	9		8	9	
D7S820	10	12		10	12	
D16S539	10	12		10	12	
VWA	15	15		15	15	
TH01	7	9		7	9	
AMEL	X	Y		X	Y	
TPOX	8	10		8	10	
CSF1PO	12	12		12	12	
D12S391	17	17				
FGA	22	22				
D2S1338	21	23				
D21S11	30	32.2				
D18S51	14	17				
D8S1179	13	15				
D3S1358	17	17				
D6S1043	12	12				

PENTAE	5	15				
D19S433	14	16				
PENTAD	10	10				
D1S1656	15	16				

4. Conclusion: The STR results of **MeWo** cells are consistent with the genotypes of **MeWo** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-65** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

