

STR Authentication Report For Cell Line

1. Cell Name: SW-13

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: STR25032716			Cell name: SW-13		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	9	9		9	9	
D7S820	8	10		8	10	
D16S539	12	12		12	12	
VWA	17	19		17	19	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	20	22				
FGA	20	20				
D2S1338	19	20				
D21S11	32.2	32.2				
D18S51	17	17				
D8S1179	10	10				
D3S1358	16	16				
D6S1043	12	15				

PENTAE	7	15				
D19S433	14	15				
PENTAD	10	13				
D1S1656	12	15.3				

4. Conclusion: The STR results of **SW-13** cells are consistent with the genotypes of **SW-13** cell lines in **DSMZ** database, the cell ID corresponded to **KCLB-Korea-10105**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

