

## STR Authentication Report For Cell Line

1. Cell Name: HCT-8

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: STR25030711			Cell name: HCT-8		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	8	11		8	11	
D7S820	10	12		10	12	
D16S539	12	13		12	13	
VWA	18	19		18	19	
TH01	7	9.3		7	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	19	22				
FGA	22	22				
D2S1338	17	25				
D21S11	29	32.2				
D18S51	11	17				
D8S1179	15	15				
D3S1358	17	17				
D6S1043	11	13				

PENTAE	7	14				
D19S433	14	16				
PENTAD	9	14				
D1S1656	17.3	19.3				

4. Conclusion: The STR results of **HCT-8** cells are consistent with the genotypes of **HCT-8** cell lines in **DSMZ** database, the cell ID corresponded to **KCLB-Korea-10244**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

