

## STR Authentication Report For Cell Line

1. Cell Name: FaDu

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: FaDu			Cell name: FaDu		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12.0	12.0		12	12	
D13S317	8.0	9.0		8	9	
D7S820	11.0	12.0		11	12	
D16S539	11.0	11.0		11	11	
VWA	15.0	17.0		15	17	
TH01	8.0	8.0		8	8	
AMEL				X	X	
TPOX	11.0	11.0		11	11	
CSF1PO	12.0	12.0		12	12	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **FaDu** cells are consistent with the genotypes of **FaDu** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-KCLB-Korea-30043** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.