

## 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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: FaDu-Y01-Z			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	
D12S391	17.0	21.0				
FGA	25.0	25.0				
D2S1338	19.0	19.0				
D21S11	31.2	31.2				
D18S51	16.0	16.0				
D8S1179	13.0	13.0				
D3S1358	17.0	18.0				
D6S1043	11.0	12.0				

PENTAE	17.0	19.0				
D19S433	14.0	16.0				
PENTAD	11.0	11.0				
D1S1656	16.0	16.3				

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.