STR Authentication Report For Cell Line

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1. Cell Name: KLE

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 profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: KLE-Y01-P			Cell name: KLE		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	12		9	12	
D13S317	12	12		12	12	
D7S820	11	12		11	12	
D16S539	11	12		11	12	
VWA	16	16		16	16	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	13	14		13	14	
D12S391	20	25				
FGA	23	25				
D2S1338	18	19				
D21S11	28	30				
D18S51	13	17				
D8S1179	8	14				

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D3S1358	17	17				
D6S1043	13	14				
PENTAE	7	7				
D19S433	15	15				
PENTAD	13	13				
D1S1656	15.3	15.3				

4. Conclusion: The STR results of **KLE** cells are consistent with the genotypes of **KLE** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1622** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

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5. Attached Image

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