

STR Authentication Report For Cell Line

1. Cell Name: KATO III

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: KATO III			Cell name: KATO-III		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	8	12		8	12	
D7S820	8	12		8	12	
D16S539	10	12		10	12	
VWA	14	16		14	16	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	7	11		7	11	
D12S391	18	20				
FGA	23	24				
D2S1338	18	20				
D21S11	30	31				
D18S51	12	12				
D8S1179	13	14				

D3S1358	15	16				
D6S1043	12	18	20.0			
PENTAE	13	18	19.0			
D19S433	13	16				
PENTAD	13	14				
D1S1656	16	17				

4. Conclusion: The STR results of **KATO III** cells are consistent with the genotypes of **KATO III** cell lines in **DSMZ** database, the cell ID corresponded to **HPACC** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

