

STR Authentication Report For Cell Line

1. Cell Name: Kasumi-1
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: Kasumi-1			Cell name: KASUMI-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	11		9	11	
D13S317	11	13		11	13	
D7S820	8	11		8	11	
D16S539	9	12		9	12	
VWA	14	14		14	14	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	20	20				
FGA	22	24				
D2S1338	19	19				
D21S11	30	31				
D18S51	15	16				
D8S1179	13	14				
D3S1358	15	17				
D6S1043	19	20.3				

PENTAE	11	11				
D19S433	13	15.2				
PENTAD	12	12				
D1S1656	14	16				

4. Conclusion: The STR results of **Kasumi-1** cells are consistent with the genotypes of **Kasumi-1** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-220**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

