

STR Authentication Report For Cell Line

1. Cell Name: MKN-28

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: STR25041123			Cell name: MKN28		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	11		11	11	
D7S820	9	9		9	9	
D16S539	9	11		9	11	
VWA	16	20		16	20	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	18	21				
FGA	23	23				
D2S1338	18	23				
D21S11	32.2	33.2				
D18S51	12	12				
D8S1179	11	16				

D3S1358	16	16				
D6S1043	13	13				
PENTAE	11	14				
D19S433	13	15.2				
PENTAD	9	9				
D1S1656	16	16				

4. Conclusion: The STR results of **MKN-28** cells are consistent with the genotypes of **MKN-28** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB0253** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

