

STR Authentication Report For Cell Line

1. Cell Name: MKN-45

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: MKN-45			Cell name: MKN-45		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	8	11		8	11	
D7S820	10	11		10	11	
D16S539	10	10		10	10	
VWA	19	19		19	19	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	26	26				
FGA	19	24				
D2S1338	17	18				
D21S11	31	31				
D18S51	16	16				
D8S1179	13	17				

D3S1358	15	16				
D6S1043	14	14				
PENTAE	10	10				
D19S433	14	16.2				
PENTAD	10	10				
D1S1656	13	13				

4. Conclusion: The STR results of **MKN-45** cells are consistent with the genotypes of **MKN-45** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-409** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

