

STR Authentication Report For Cell Line

1. Cell Name: MKN7

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: STR25032702			Cell name: MKN7		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	13		9	13	
D13S317	8	12		8	12	
D7S820	9	9		9	9	
D16S539	9	10		9	10	
VWA	17	17		17	17	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	10	13		10	13	
D12S391	19	19				
FGA	23	23				
D2S1338	20	23				
D21S11	29	32.2				
D18S51	13	18				
D8S1179	15	15				

D3S1358	17	17				
D6S1043	19	19				
PENTAE	18	18				
D19S433	13	13				
PENTAD	10	11				
D1S1656	11	11				

4. Conclusion: The STR results of **MKN7** cells are consistent with the genotypes of **MKN7** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB1025** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

