

STR Authentication Report For Cell Line

1. Cell Name: OCI-LY7

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: STR24091212			Cell name: OCI-LY7		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	12		11	12	
D7S820	10	10		10	10	
D16S539	12	13		12	13	
VWA	15	18		15	18	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	8	12		8	12	
CSF1PO	12	13		12	13	
D12S391	19	23				
FGA	20	20				
D2S1338	22	24				
D21S11	29	31.2				
D18S51	20	20				
D8S1179	13	15				

D3S1358	14	17				
D6S1043	12	12				
PENTAE	11	12				
D19S433	14	16				
PENTAD	11	13				
D1S1656	12	16.3				

4. Conclusion: The STR results of **OCI-LY7** cells are consistent with the genotypes of **OCI-LY7** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-688** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

