

STR Authentication Report For Cell Line

1. Cell Name: LC-2/AD

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: STR25052107			Cell name: LC-2/ad		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	10	12		10	12	
D7S820	11	11		11	11	
D16S539	9	9		9	9	
VWA	16	19		16	19	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	10	11		10	11	
D12S391	17	22				
FGA	23	23				
D2S1338	19	23				
D21S11	30	30				
D18S51	12	12				
D8S1179	13	14				

D3S1358	15	15				
D6S1043	14	14				
PENTAE	5	13				
D19S433	13	13				
PENTAD	10	10				
D1S1656	16	18.3				

4. Conclusion: The STR results of **LC-2/AD** cells are consistent with the genotypes of **LC-2/ad** cell lines in **DSMZ** database, the cell ID corresponded to **RCB0440** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

