

## STR Authentication Report For Cell Line

1. Cell Name: A-253
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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: A-253			Cell name: A-253		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	9	12		9	12	
D7S820	10	12		10	12	
D16S539	12	12		12	12	
VWA	16	16		16	16	
TH01	6	8		6	8	
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	12	13		12	13	
D12S391	19	19				
FGA	25	25				
D2S1338	25	26				
D21S11	30	30.2				
D18S51	13	13				
D8S1179	13	13				
D3S1358	15	15				
D6S1043	12	12				

PENTAE	7	7				
D19S433	13	13				
PENTAD	13	13				
D1S1656	15	15				

4. Conclusion: The STR results of **A-253** cells are consistent with the genotypes of **A-253** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-7902** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

