

## STR Authentication Report For Cell Line

1. Cell Name: BT474

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: BT474			Cell name: BT-474		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	11	11		11	11	
D7S820	9	12		9	12	
D16S539	9	11		9	11	
VWA	15	16		15	16	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	11		10	11	
D12S391	17	18				
FGA	22	25				
D2S1338	19	19				
D21S11	28	32.2				
D18S51	13	18				
D8S1179	10	12				
D3S1358	17	17				
D6S1043	12	17				

PENTAE	5	5				
D19S433	14	17				
PENTAD	9	14				
D1S1656	13	15.3				

4. Conclusion: The STR results of **BT474** cells are consistent with the genotypes of **BT-474** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-64** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

