

STR Authentication Report For Cell Line

1. Cell Name: Pfeiffer

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: STR24112704			Cell name: Pfeiffer		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	11	12		11	12	
D7S820	8	12		8	12	
D16S539	12	12		12	12	
VWA	17	18		17	18	
TH01	9	9.3		9	9.3	
AMEL	X	Y		X	Y	
TPOX	9	9		9	9	
CSF1PO	10	11		10	11	
D12S391	20	21				
FGA	22	23				
D2S1338	19	19				
D21S11	28	32.2				
D18S51	13	14				
D8S1179	12	14				

D3S1358	13	18				
D6S1043	11	19				
PENTAE	14	17				
D19S433	14	14				
PENTAD	12	13				
D1S1656	12	12				

4. Conclusion: The STR results of **Pfeiffer** cells are consistent with the genotypes of **Pfeiffer** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2632** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

