

STR Authentication Report For Cell Line

1. Cell Name: NCI-H1437 [H1437]

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: STR25032006			Cell name: NCI-H1437 [H1437]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	14		11	14	
D13S317	12	12		12	12	
D7S820	8	11		8	11	
D16S539	11	12		11	12	
VWA	18	18		18	18	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	9	10		9	10	
CSF1PO	11	12		11	12	
D12S391	19	19				
FGA	22	22				
D2S1338	20	20				
D21S11	29	29				
D18S51	19	19				
D8S1179	11	13				

D3S1358	16	16				
D6S1043	11	11				
PENTAE	5	11				
D19S433	15.2	15.2				
PENTAD	10	10				
D1S1656	16	16				

4. Conclusion: The STR results of **NCI-H1437 [H1437]** cells are consistent with the genotypes of **NCI-H1437 [H1437]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5872** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

