

STR Authentication Report For Cell Line

1. Cell Name: NCI-H446
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: STR24103114			Cell name: NCI-H446 [H446]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	8		8	8	
D7S820	10	11		10	11	
D16S539	12	12		12	12	
VWA	18	19		18	19	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	Y	
TPOX	9	11		9	11	
CSF1PO	13	13		13	14	
D12S391	17	18				
FGA	22	22		22	22	
D2S1338	18	20		18	20	
D21S11	28	28		28	28	
D18S51	12	13		12	13	
D8S1179	13	15		13	15	
D3S1358	17	17		17	17	
D6S1043	11	11				

PENTAE	9	10		9	10	
D19S433	13	14		13	14	
PENTAD	12	13		12	13	
D1S1656	14	16.3				

4. Conclusion: The STR results of **NCI-H446** cells are consistent with the genotypes of **NCI-H446 [H446]** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL 1562** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

