

STR Authentication Report For Cell Line

1. Cell Name: NCI-H69

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: STR25041115			Cell name: H69		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	12	12		12	12	
D7S820	9	9		9	9	
D16S539	11	11		11	11	
VWA	16	17		16	17	
TH01	8	8		8	9	
AMEL	X	Y		X	Y	
TPOX	10	10		10	10	
CSF1PO	10	12		10	12	
D12S391	19	19				
FGA	24	24				
D2S1338	17	17				
D21S11	30	31.2				
D18S51	12	15				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	11	11				

PENTAE	12	12				
D19S433	15	15.2				
PENTAD	9	11				
D1S1656	15	15.3				

4. Conclusion: The STR results of **NCI-H69** cells are consistent with the genotypes of **NCI-H69** cell lines in **DSMZ** database, the cell ID corresponded to **HPACC**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

