

## STR Authentication Report For Cell Line

1. Cell Name: NCI-H2170
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: NCI-H2170			Cell name: NCI-H2170 [H2170]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	9	9		9	9	
D7S820	10	10		10	10	
D16S539	12	14		12	14	
VWA	15	19		15	19	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	12	12		12	12	
D12S391	15	18				
FGA	25	26				
D2S1338	17	24				
D21S11	31.2	31.2				
D18S51	13	14				
D8S1179	14	14				
D3S1358	19	19				
D6S1043	17	18				

PENTAE	7	13				
D19S433	13.2	14				
PENTAD	9	9				
D1S1656	17	19.3				

4. Conclusion: The STR results of **NCI-H2170** cells are consistent with the genotypes of **NCI-H2170 [H2170]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5928** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

