

STR Authentication Report For Cell Line

1. Cell Name: Hut-78

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: hut78			Cell name: HUT78		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	8	12		8	12	
D7S820	8	11		8	11	
D16S539	11	12		11	12	
VWA	14	15		14	15	
TH01	8	9		8	9	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	11	12		11	12	
D12S391	18	23				
FGA	21	25				
D2S1338	20	25				
D21S11	30	30				
D18S51	18	18				
D8S1179	12	14				
D3S1358	15	16				
D6S1043	12	12				

PENTAE	13	15				
D19S433	14	14				
PENTAD	9	9				
D1S1656	11	15				

4. Conclusion: The STR results of **Hut-78** cells are consistent with the genotypes of **Hut-78** cell lines in **DSMZ** database, the cell ID corresponded to **RCB1934** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

