

STR Authentication Report For Cell Line

1. Cell Name: SV-HUC-1

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: STR25041127			Cell name: SV-HUC-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	14		12	14	
D13S317	12	13		12	13	
D7S820	10	11		10	11	
D16S539	11	11		11	11	
VWA	14	14		14	14	
TH01	9	9.3		9	9.3	
AMEL	X	Y		X	Y	
TPOX	8	10		8	10	
CSF1PO	10	11		10	11	
D12S391	18	18				
FGA	21	22				
D2S1338	17	17				
D21S11	29	30				
D18S51	15	16				
D8S1179	14	16				
D3S1358	14	17				
D6S1043	11	13				

PENTAE	10	20				
D19S433	14	14				
PENTAD	13	13				
D1S1656	11	15				

4. Conclusion: The STR results of **SV-HUC-1** cells are consistent with the genotypes of **SV-HUC-1** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-9520** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

