

STR Authentication Report For Cell Line

1. Cell Name: Reh

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: Reh				Cell name: Reh		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	13			11	13	
D13S317	11	13			11	13	
D7S820	9	12			9	12	
D16S539	9	9			9	9	
VWA	14	15			14	15	
TH01	7	7			7	7	
AMEL	X	X			X	X	
TPOX	8	8			8	8	
CSF1PO	11	12			10	11	12.0
D12S391	23	24	25.0				
FGA	22	23					
D2S1338	20	22					
D21S11	28	30	32.0				
D18S51	10	14					
D8S1179	12	13	14.0	15.0			

D3S1358	18	18					
D6S1043	11	21					
PENTAE	7	11					
D19S433	12	14					
PENTAD	9	11					
D1S1656	15	15					

4. Conclusion: The STR results of **Reh** cells are consistent with the genotypes of **Reh** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL_1650** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

