

## STR Authentication Report For Cell Line

1. Cell Name: SAS

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: STR25032017			Cell name: SAS		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	9		9	9	
D13S317	10	12		10	12	
D7S820	11	12		11	12	
D16S539	12	13		12	13	
VWA	14	17		14	17	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	11	12		11	12	
CSF1PO	11	11		11	11	
D12S391	18	18				
FGA	24	24				
D2S1338	20	24				
D21S11	30	30				
D18S51	15	15				
D8S1179	11	13				

D3S1358	16	17				
D6S1043	13	19				
PENTAE	5	20				
D19S433	14	14.2				
PENTAD	10	13				
D1S1656	11	15				

4. Conclusion: The STR results of **SAS** cells are consistent with the genotypes of **SAS** cell lines in **DSMZ** database, the cell ID corresponded to **RCB1974**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

