

## STR Authentication Report For Cell Line

1. Cell Name: Ramos

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: Ramos			Cell name: RAMOS		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	7	12		7	12	
D13S317	13	13		13	14	
D7S820	11	11		11	11	
D16S539	10	13		10	13	
VWA	15	16		15	16	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	11		10	11	
D12S391	19	22				
FGA	20	24				
D2S1338	20	23				
D21S11	30	30				
D18S51	15	15				
D8S1179	13	16				

D3S1358	14	15				
D6S1043	13	15				
PENTAE	8	21				
D19S433	14	15.2				
PENTAD	10	13				
D1S1656	12	15.3				

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

### 5. Attached Image

