

STR Authentication Report For Cell Line

1. Cell Name: SK-N-AS

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: STR26012202			Cell name: SK-N-AS		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	9	9		9	9	
D7S820	11	13		11	13	
D16S539	14	14		14	14	
VWA	16	16		16	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	11	12		11	12	
CSF1PO	10	12		10	12	
D12S391	20	20				
FGA	20	20				
D2S1338	17	24				
D21S11	32.2	33.2				
D18S51	14	15				
D8S1179	13	14				

D3S1358	14	14				
D6S1043	11	12				
PENTAE	7	14				
D19S433	12	14				
PENTAD	9	9				
D1S1656	12	16.3				

4. Conclusion: The STR results of **SK-N-AS** cells are consistent with the genotypes of **SK-N-AS** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2137** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

