

STR Authentication Report For Cell Line

1. Cell Name: KGN

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: KGN			Cell name: KGN		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	9	9		9	9	
D7S820	11	11		11	11	
D16S539	10	12		10	12	
VWA	17	17		17	17	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	19	21				
FGA	25	26				
D2S1338	25	25				
D21S11	30	32.2				
D18S51	12	14				
D8S1179	13	14				
D3S1358	15	17				
D6S1043	13	20				

PENTAE	12	21				
D19S433	13	15.2				
PENTAD	10	13				
D1S1656	15	17				

4. Conclusion: The STR results of **KGN** cells are consistent with the genotypes of **KGN** cell lines in **DSMZ** database, the cell ID corresponded to **RCB1154** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

