Online Inquiry

STR Authentication Report For Cell Line

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1. Cell Name: KG-1

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 profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: STR25032014			Cell name: KG-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	12		11	12	
D7S820	8	10		8	10	
D16S539	10	11		10	11	
VWA	14	19		14	19	
TH01	7	8		7	8	
AMEL	X	Y		X	Y	
TPOX	7	9		7	9	
CSF1PO	7	7		7	7	
D12S391	21	21				
FGA	22	22				
D2S1338	20	23				
D21S11	28	29				
D18S51	10.2	18				
D8S1179	13	14				

D3S1358	15	16				
D6S1043	18	19				
PENTAE	7	13				
D19S433	11	16.2				
PENTAD	8	9				
D1S1656	14	16.3				

4. Conclusion: The STR results of **KG-1** cells are consistent with the genotypes of **KG-1** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-14** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.