

STR Authentication Report For Cell Line

1. Cell Name: KG-1a
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: KG-1a			Cell name: KG-1a		
	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	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

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

5. Attached Image

