

STR Authentication Report For Cell Line

1. Cell Name: KMH-2

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: STR25032706			Cell name: KMH-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	9	9		9	9	
D7S820	11	11		11	11	
D16S539	9	12		9	12	
VWA	14	15		14	15	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	10	11		10	11	
D12S391	21	22				
FGA	20	22				
D2S1338	18	18				
D21S11	30	32.2				
D18S51	17	17				
D8S1179	13	13				
D3S1358	15	15				
D6S1043	11	11				

PENTAE	15	15				
D19S433	15	15.2				
PENTAD	9	10				
D1S1656	15	16				

4. Conclusion: The STR results of **KMH-2** cells are consistent with the genotypes of **KMH-2** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB1066** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

