

STR Authentication Report For Cell Line

1. Cell Name: Detroit 562
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: Detroit 562			Cell name: Detroit-562		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	12		12	12	
D7S820	8	10		8	10	
D16S539	11	11		11	11	
VWA	16	16		16	16	
TH01	8	9		8	9	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	11	13		11	13	
D12S391	17	18				
FGA	21	21				
D2S1338	25	25				
D21S11	28	30				
D18S51	15	15				
D8S1179	13	14				
D3S1358	15	16				
D6S1043	12	18				

PENTAE	13	13				
D19S433	14	14				
PENTAD	13	13				
D1S1656	15.3	17.3				

4. Conclusion: The STR results of **Detroit 562** cells are consistent with the genotypes of **Detroit 562** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-138** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

