

## STR Authentication Report For Cell Line

1. Cell Name: MDA-MB-231

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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: MDA-MB-231			Cell name: MDA-MB-231		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	13	13		13	13	
D7S820	8	9		8	9	
D16S539	12	12		12	12	
VWA	15	18		15	18	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	12	13		12	13	
D12S391	17	18				
FGA	22	23				
D2S1338	20	21				
D21S11	33.2	33.2				
D18S51	11	16				
D8S1179	13	13				
D3S1358	16	16				
D6S1043	18	18				

PENTAE	11	11				
D19S433	11	14				
PENTAD	11	14				
D1S1656	15	17				

4. Conclusion: The STR results of **MDA-MB-231** cells are consistent with the genotypes of **MDA-MB-231** cell lines in **DSMZ** database, the cell ID corresponded to **732**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

