Guangzhou jenniobio Biotechnoligy Co.,Ltd

Cell STR Certification Report

JENNIO Biological Technology

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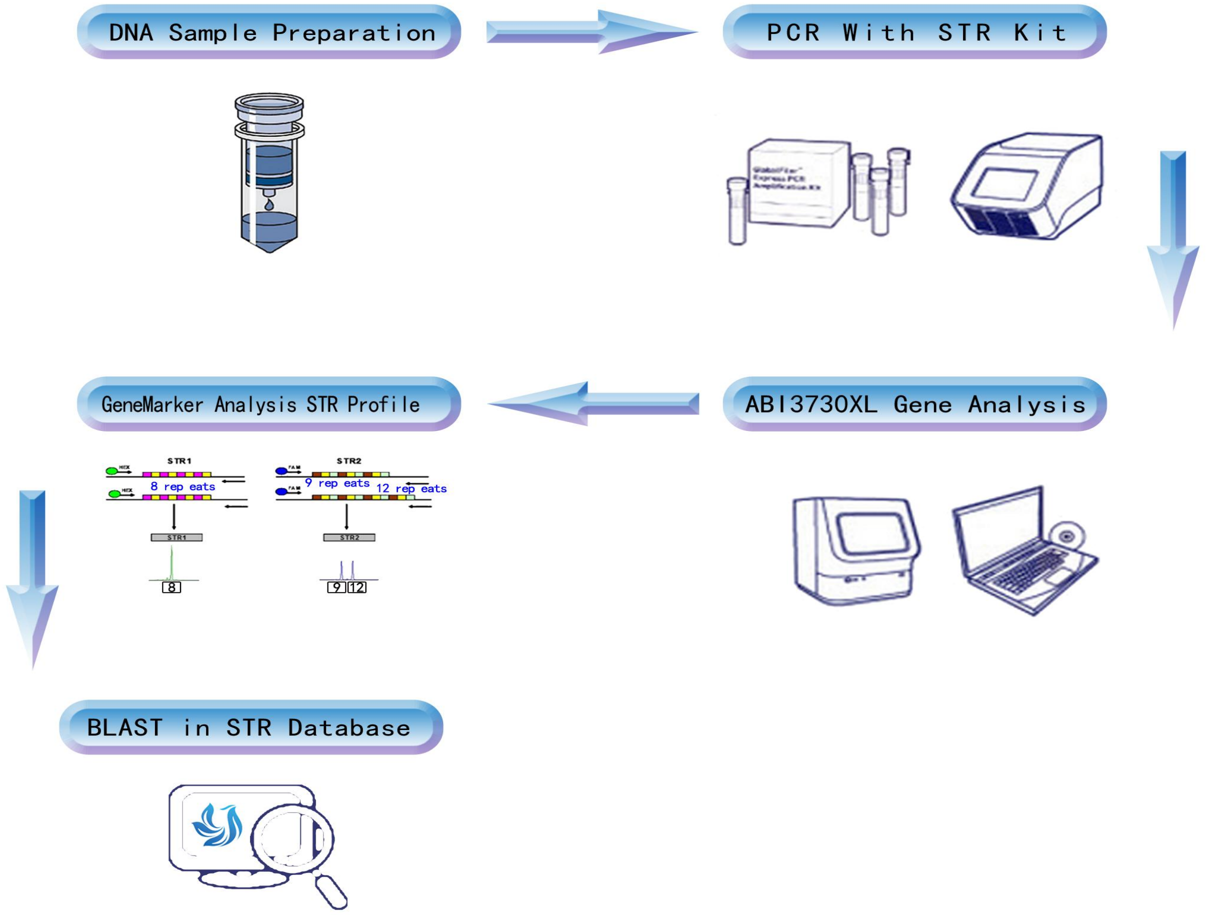
1、 Sample ID：HepG2

2、 Original Material：Cell pellets

3、 Check time:2020-10-21

4、 Methods：



5、 Results：

Negative and positive test results are correct.

Amplification map of Genomic DNA clear，Genotyping results well.

STR Profile :

Genetic Site	Customer sample		**ATCC**	
	HepG2		HepG2	
Amelogenin	X	Y	X	Y
CSF1PO	10	11	10	11
D13S317	9	13	9	13
D16S539	12	12	12	12
D5S818	11	12	11	12
D7S820	10	10	10	10
THO1	9	9	9	9
TPOX	8	9	8	9
vWA	17	17	17	17

Percent match between the sample and the database profile：100**%**

6、 Summary：

The result of STR profile showed no more than 2 distinct alleles were found ,the sample derived from a common ancestry(Figure 1); which matched 100**%** the reference cell line in the ATCC STR database, named HepG2 .

Notes：

- P=100% x (2xM)/N; M=18, N=36,P=100% x (2x18)/36=100**%**
  M: number of the matching peaks; N: number of all peaks
- Based on ASN-0002-2011 Standard， cell lines with ≥80% match are considered to be related ; i.e.,derived from a common ancestry. Cell lines with between a 55% to 80% match require futher profiling for authentication of relatedness.
- This data and analysis are for research use only.

Operator: Yuqiu Qin

Auditor: Jigang Tu

GUANGZHOU JENNIO BIOTECH CO.,LTD
23 Oct. 2020
CELL STR PROFILING
PASS

Report time: 2020-10-23

Figure：

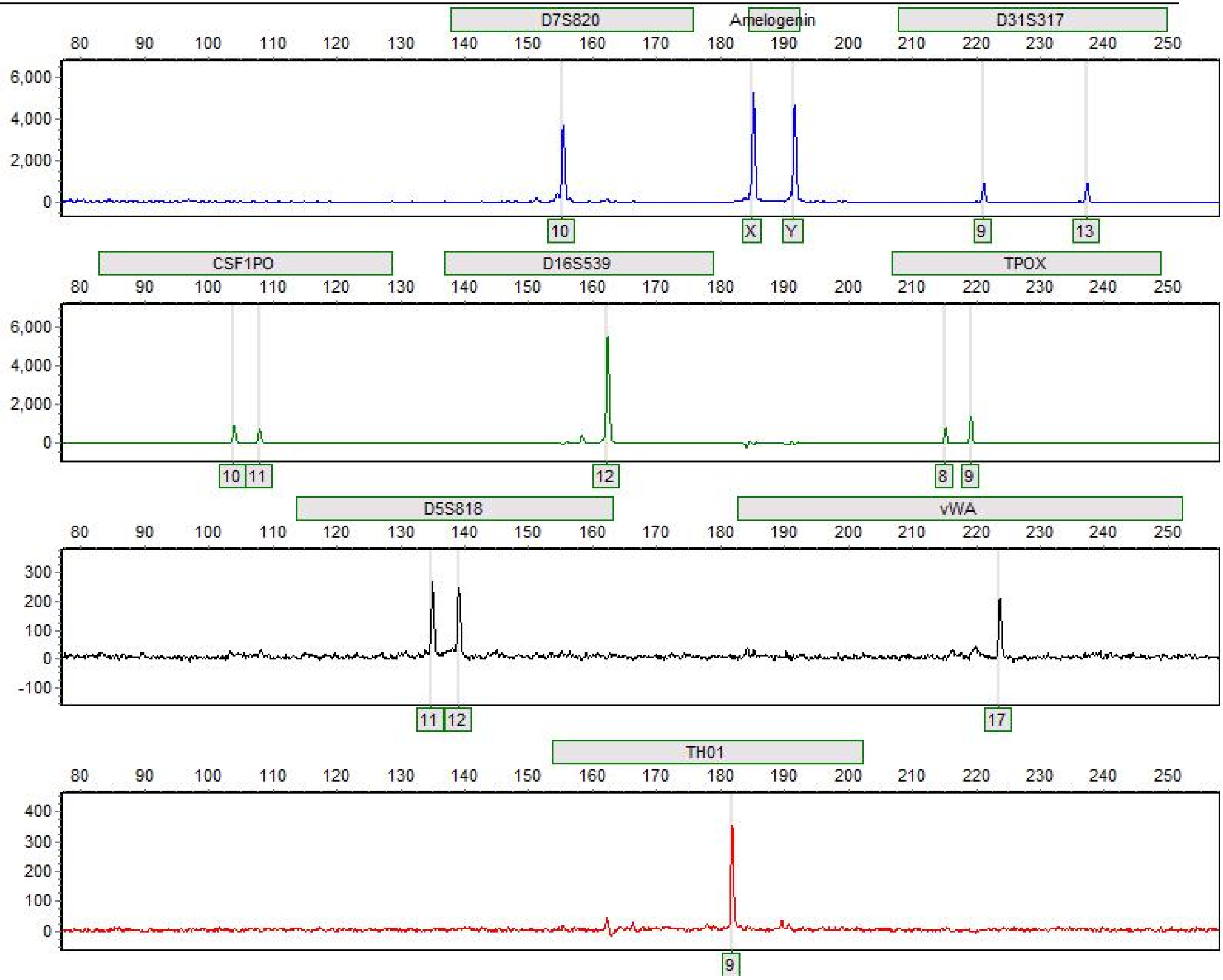


Figure 1.STR profiles of HepG2 cell line