



Cell Line Authentication Service

STR Profile Report

Sample Submitted By: Dr. Yanrong Hao
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Email Address: 834972786@qq.com

Sales Order: 170423B

Cell Line Designation: CHEN-6

Date Sample Received: Apr 23th, 2017

Report Date: Apr 24th, 2017

Methodology: Nineteen short tandem repeat (STR) loci plus the gender determining locus, Amelogenin, were amplified using the commercially available EX20 Kit from AGCU. The cell line sample was processed using the ABI Prism® 3500 Genetic Analyzer. Data were analyzed using GeneMapper® ID-X v1.4 software (Applied Biosystems). Appropriate positive and negative controls were run and confirmed for each sample submitted.

Data Interpretation: Cell lines were authenticated using Short Tandem Repeat (STR) analysis as described in 2012 in ANSI Standard (ASN-0002) by the ATCC Standards Development Organization (SDO) and in Capes-Davis et al., Match criteria for human cell line authentication: Where do we draw the line? Int J Cancer. 2013;132(11):2510-9.

GTB™ performs STR Profiling following ISO 9001:2008 and ISO/IEC 17025:2005 quality standards.

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Test Results for Submitted Sample		DSMZ Reference Database Profile	
Loci	Query Profile: CHEN-6	Database Profile: NA	
Amelogenin	X		
D3S1358	15 18		
D13S317	10 11 12 13.3		
D7S820	10		
D16S539	9 10		
Penta E	17		
TPOX	8 9		
TH01	7 9		
D2S1338	23		
CSF1PO	10 11		
Penta D	9 12		
D19S433	13		
vWA	14 16		
D21S11	27 30		
D18S51	13 16		
D6S1043	11 14 18		
D8S1179	12		
D5S818	11 12		
D12S391	20 21		
FGA	21		

The allele match algorithm compares the 8 core loci plus amelogenin only, even though alleles from all loci will be reported when available.

Note: Loci highlighted in grey (8 core STR loci plus Amelogenin) can be made public to verify cell identity. In order to protect the identity of the donor, **please do not publish** the allele calls from all the STR loci tested.

Explanation of Test Results

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 further profiling for authentication of relatedness.

- ☒ The submitted sample profile is human, but not a match for any profile in the DSMZ STR database.
- ☐ The submitted profile is an exact match for the following human cell line(s) in the DSMZ STR database (8 core loci plus Amelogenin):
- ☐ The submitted profile is similar to the following DSMZ human cell line(s):

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数字签名者: Alan Cui
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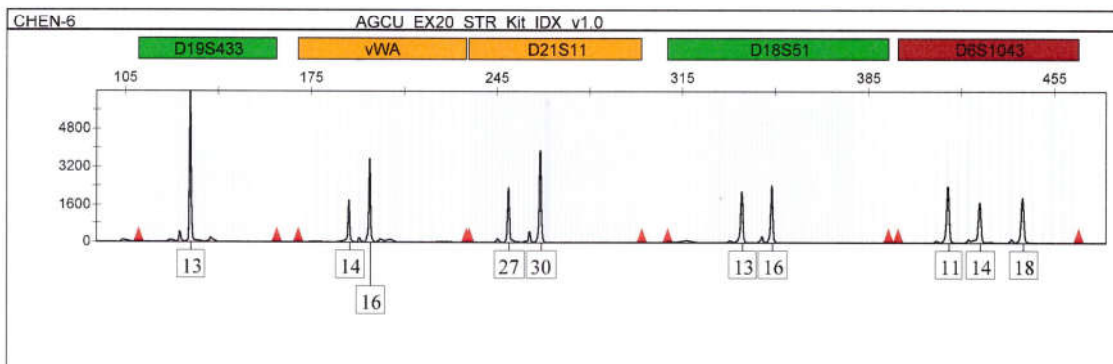
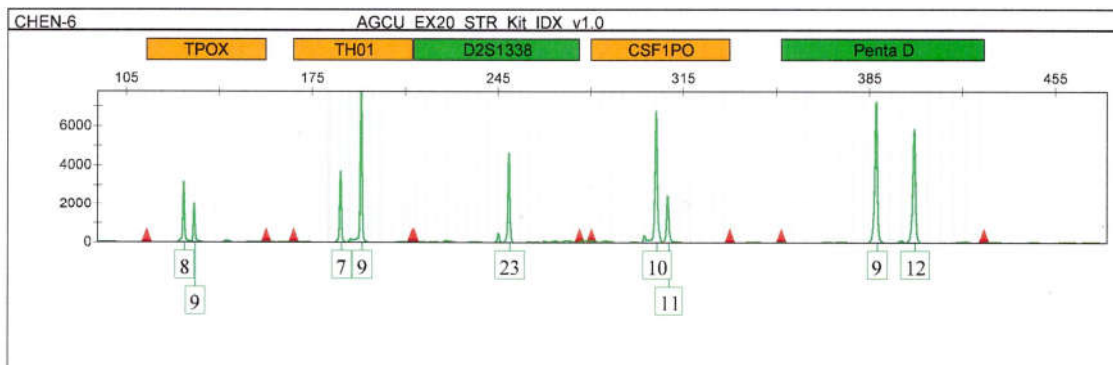
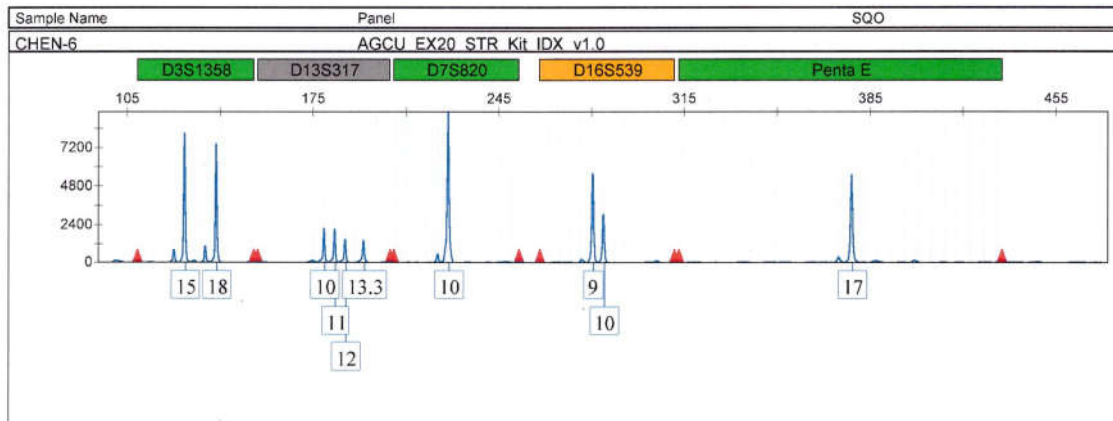


More information

Addendum: Electropherogram for the customer's sample set 1 of 1

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