



Cell Line Authentication Service STR Profile Report

Sample Submitted By: Dr. Hao Xu
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Sales Order: 220222D 220222E
Cell Line Designation: DPC-X1 DPC-X1-tissue
Date Sample Received: Feb 22th, 2022
Report Date: Feb 24th, 2022

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® 3130 XL Genetic Analyzer. Data were analyzed using GeneMapper® ID v3.2 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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NOTE: According to the recommendations of *IJC* on cell line authentication, the report is valid for 3 years since the issue date.

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Loci	DPC-X1		DPC-X1-tissue		Matching Probability
Amelogenin	X	Y	X	Y	/
D3S1358	15		15		0.1225
D13S317	9	10	9	10	0.0338
D7S820	11	12	11	12	0.1538
D16S539	10	13	10	12	-
Penta E	15	16	15	16	0.0109
TPOX	8		8		0.2862
TH01	9		9	9.3	-
D2S1338	18	19	18	19	0.0512
CSF1PO	10		10		0.0420
Penta D	9	10	9	10	0.0744
D19S433	13	15	13	15	0.0244
vWA	16	18	16	18	0.0486
D21S11	29		29		0.0576
D18S51	15		13	15	-
D6S1043	11	19	11	19	0.0330
D8S1179	8	17	8	17	0.0008
D5S818	10	12	10	12	0.0897
D12S391	19	22	19	22	0.0466
FGA	22	25	23	25	-
LR					4.1867×10^{20}

Explanation of Test Results

- The two submitted sample profile is human without any other human contamination, but not a match for any profile in the DSMZ STR database.
- The DNA typing results support that the two submitted samples are from same individual with a LR= 4.1867×10^{20} .
- The DNA typing results support that the submitted samples are from different individuals.

e-Signature Technician:



e-Signature Reviewer:

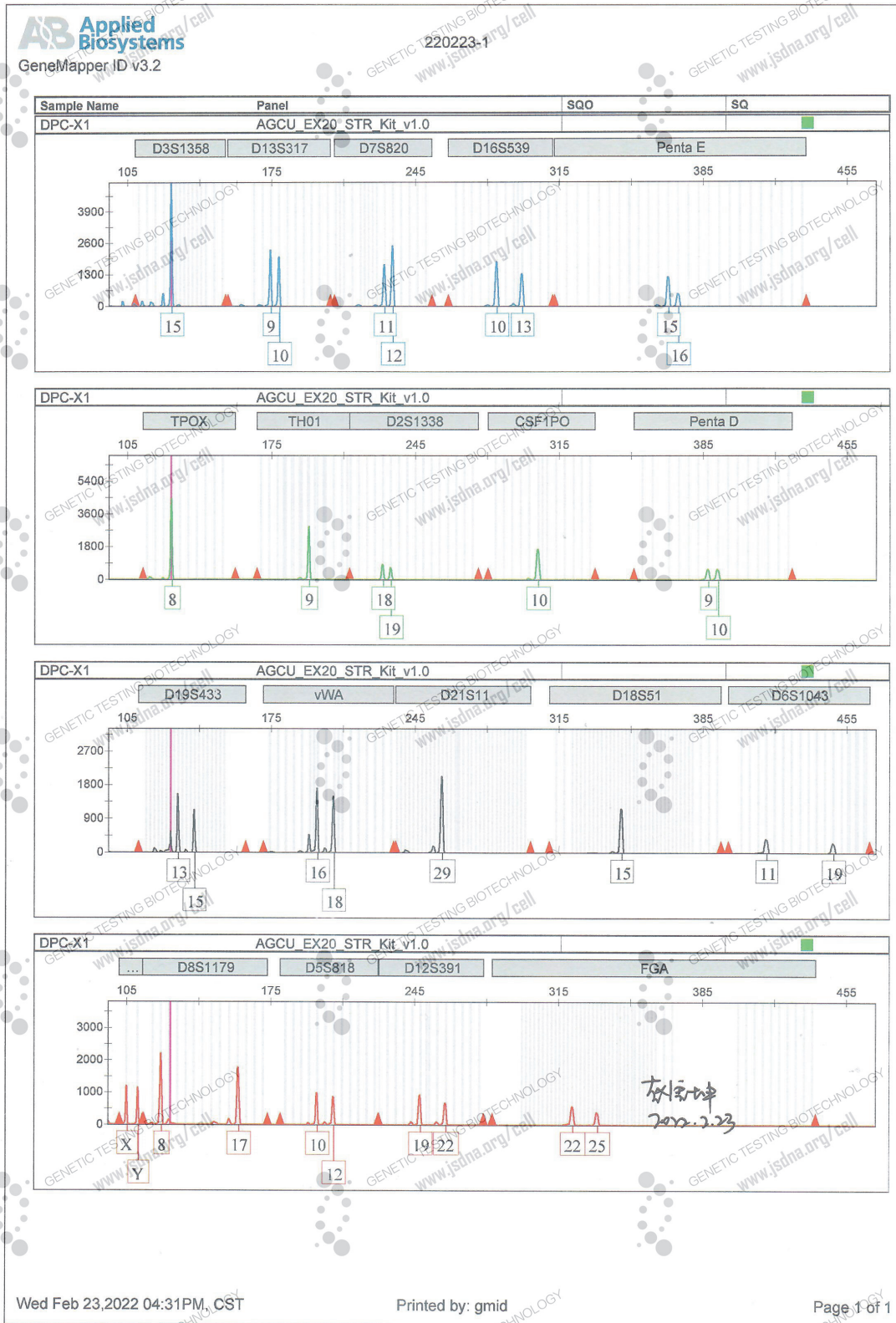


More information

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



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