



## Cell Line Authentication Service

### STR Profile Report

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**Sales Order:** 180313A

**Cell Line Designation:** T24

**Date Sample Received:** Mar 13<sup>th</sup>, 2018

**Report Date:** Mar 14<sup>th</sup>, 2018

**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: T24		Database Profile: T24		
Amelogenin	X		X		
D3S1358	16				
D13S317	12		12		
D7S820	10	11	10	11	
D16S539	9		9		
Penta E	7	10			
TPOX	8	11	8	11	
TH01	6		6		
D2S1338	20	23			
CSF1PO	10	12	10	12	
Penta D	11	15			
D19S433	14				
vWA	17		17		
D21S11	29				
D18S51	16	18			
D6S1043	11				
D8S1179	14				
D5S818	10	12	10	12	
D12S391	18				
FGA	17	22			

*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 In order to protect the identity of the donor, **please do not publish** the allele calls from all the STR loci tested.*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  $\geq 80\%$  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): T24
- The submitted profile is similar to the following DSMZ human cell line(s):

e-Signature Technician:



e-Signature Reviewer:



More information

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



# Cell Line Authentication Service

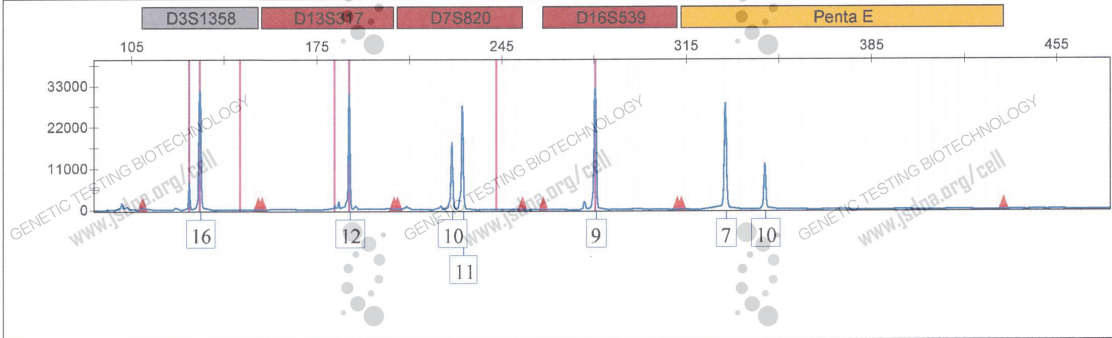
## STR Profile Report

Applied Biosystems  
GeneMapper® ID-X 1.4

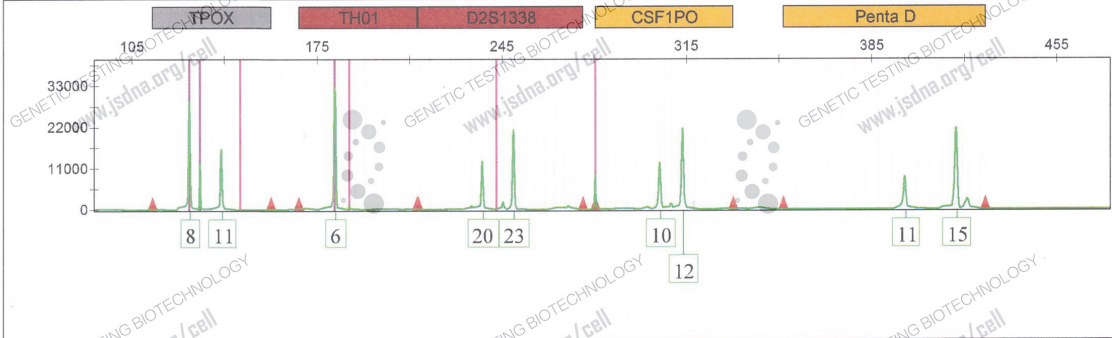
Project: 180314

Sample Name

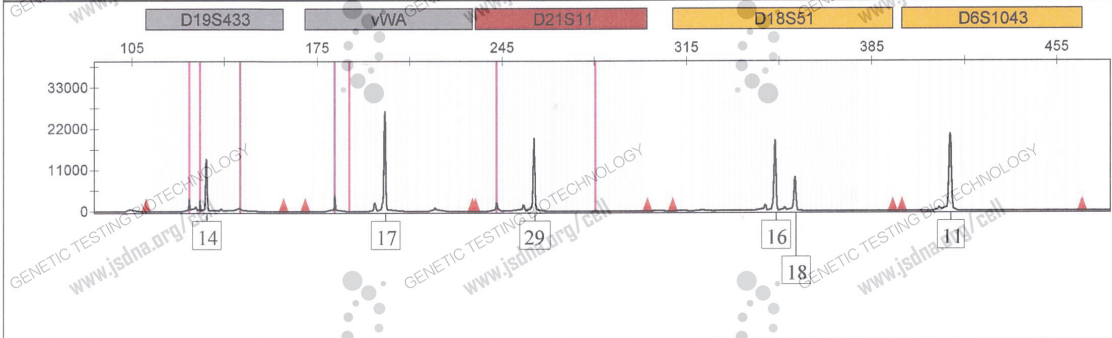
T24



T24



T24



T24



Wed Mar 14, 2018 03:17PM, CST

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