

Cell Line U251 STR Profile Report

Cell Line Designation:	U251	
Date Sample Received:	Oct 20 th , 2017	
Report Date:	Oct 31 th , 2017	
Methodology:	Twenty short tandem repeat (STR) loci plus the gender determining locus,Amelogenin, were amplified using the commercially available PowerPlex® 21 System from Promega Corporation. The amplified products were processed using the Applied Biosystems 3730xl DNA Analyzer. Data were analyzed using GeneMapper 5.0 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.

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

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TEST RESULTS:

Test Results for Submitted Sample		Reference Database Profile	
Loci	Query Profile: U251	Database Profile: U251	
Amelogenin	Х	X	
D13S317	10 11	10 11	
D16S539	12	12	
CSF1PO	11 12	11 12	
TH01	9.3	9.3	
vWA	16 18	16 18	
D7S820	10 12	10 12	
D5S818	11 12	11 12	
ΤΡΟΧ	8	8	
D3S1358	16 17		
D1S1656	16 17.3		
D6S1043	12		
Penta E	7 10		
D18S51	13		
D2S1338	24		
Penta D	12		
D8S1179	13 15		
D12S391	17 22		
D195433	13 15		
FGA	<u><u> </u></u>		
D21S11	29		
Note: The top nine Loci (8 core STR loci plus Amelogenin) can be made public to verify			
cell identity. In	order to protec <mark>t</mark> the identity of	^f the donor, please do not publish the	
allele ca <mark>lls</mark> fron	n all the \$TR loci tested.		

Percent Match: 100%

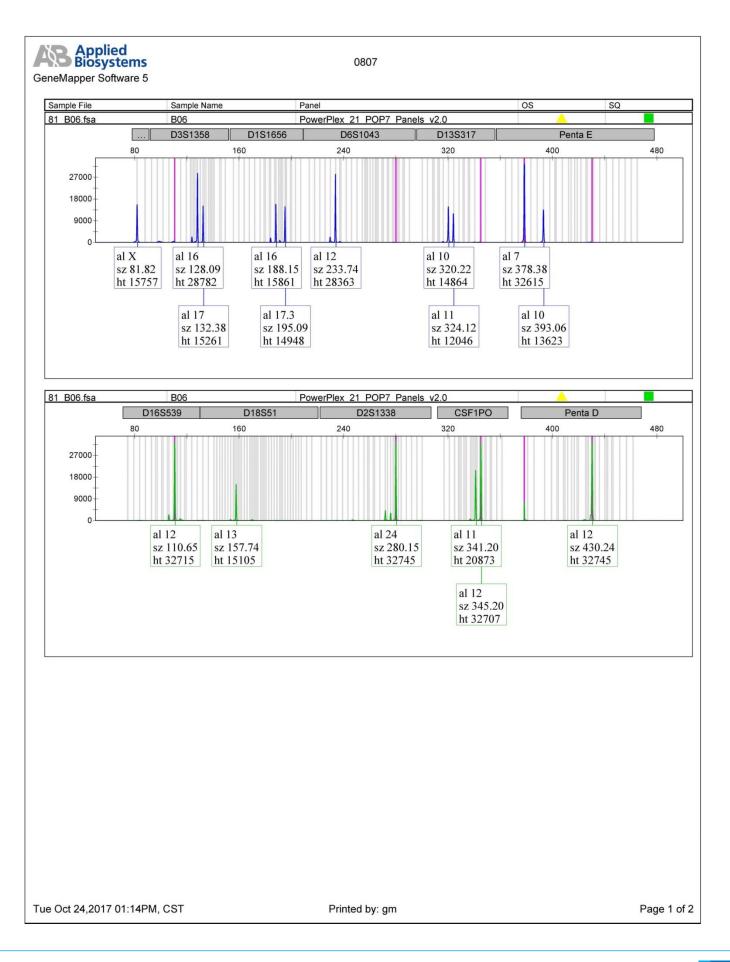
The submitted profile is an exact match for the following human cell line(s) in the reference database (8 core loci plus Amelogenin): **U251**

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. Reference Database Profile was obtained from ExPASy, DSMZ, ATCC or China National Infrastructure of Cell Line Resource STR database.

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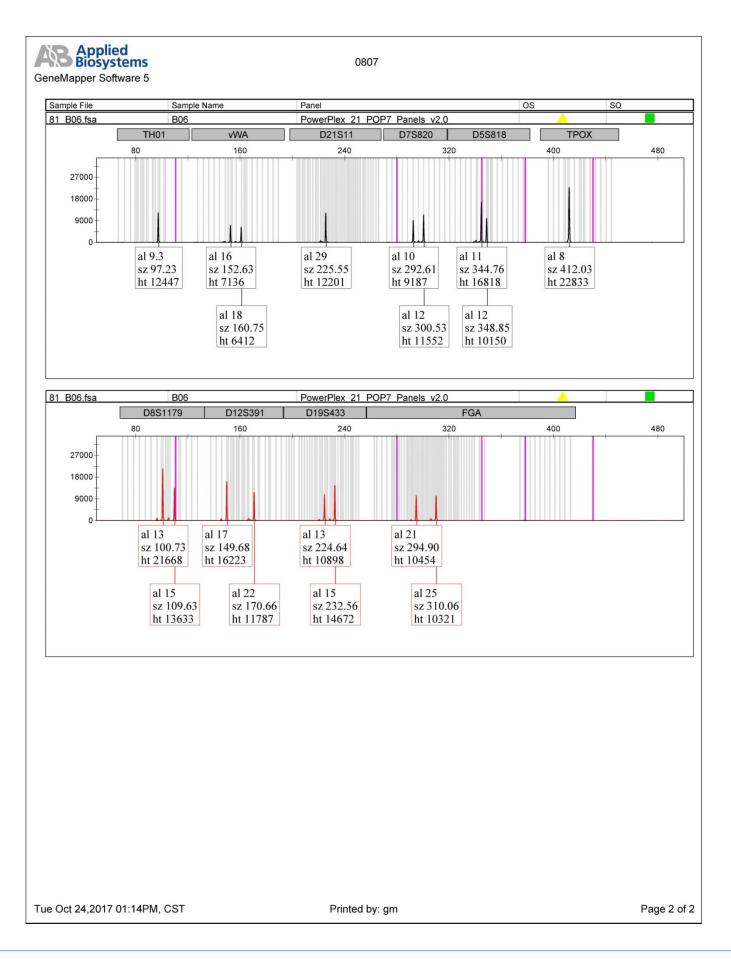




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