

Cell Line U-87 MG STR Profile Report

Cell Line Designation:	U-87 MG	
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.

There are no warranties with respect to the services or results supplied, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. GENECHEM is not liable for any damages or injuries resulting from receipt and/or improper, inappropriate, negligent or other wrongful use of the test results supplied, and/or from misidentification, misrepresentation, or lack of accuracy of those results. Your exclusive remedy against GENECHEM and those supplying materials used in the services for any losses or damage of any kind whatsoever, whether in contract, tort, or otherwise, shall be, at GENECHEM 's option, refund of the fee paid for such service or repeat of the service.



TEST RESULTS:

Test Results for Submitted Sample		Reference Database Profile	
Loci	Query Profile: U-87 MG	Database Profile: U-87 MG	
Amelogenin	Х	X	
D13S317	8 11	8 11	
D16S539	12	12	
CSF1PO	10 11	10 11	
TH01	9.3	9.3	
vWA	15 17	15 17	
D7S820	89	8 9	
D5S818	11 12	11 12	
ТРОХ	8	8	
D3S1358	16 17		
D1S1656	15		
D6S1043	11 18		
Penta E	7 14		
D18S51	13		
D2S1338	20 23		
Penta D	9 14		
D8S1179	10 11		
D12S391	18 21		
D195433	15 15.2		
FGA	18 24		
D21S11	28 32.2		
Note: The top	nine Loci (8 core STR loci plu:	Amelogenin) can be made public to verify	
cell identit <mark>y</mark> . In	order to protect the identity of	f the donor, please do not publish the	
allele ca <mark>lls</mark> fror	n all the STR loci tested.		

Percent Match: 100%

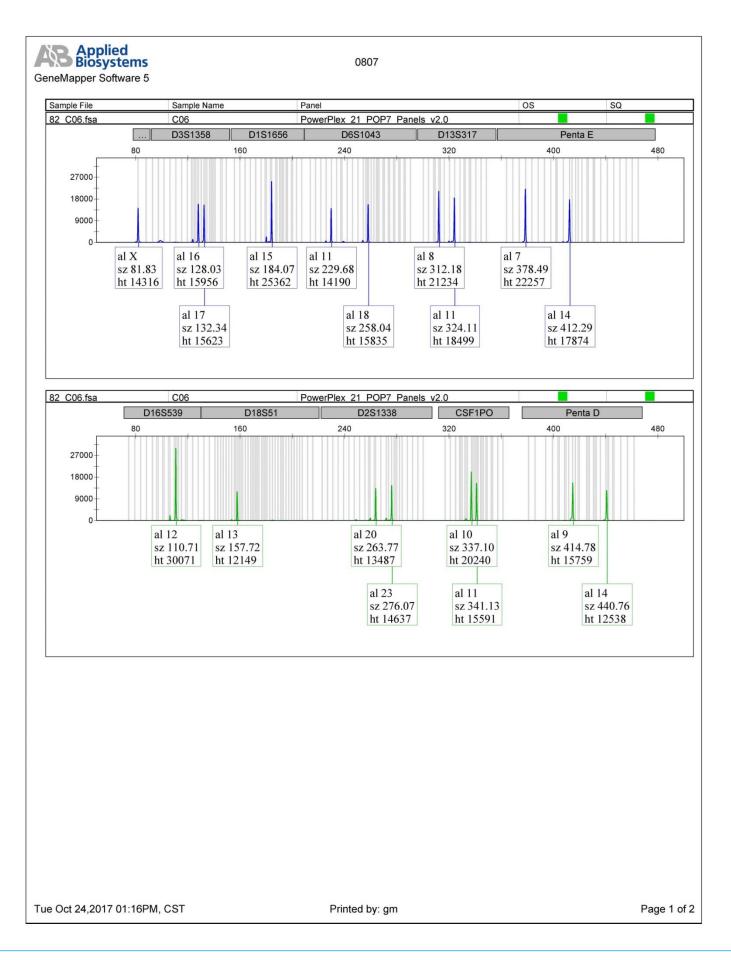
The submitted profile is an exact match for the following human cell line(s) in the reference database (8 core loci plus Amelogenin): U-87 MG

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.

Shanghai Genechem Co., Ltd. Add : NO.332, Aidisheng Road, Zhangjiang Hi-Tech Park, Shanghai 201203 P.R. China Tel : (86) 21 51320189 Fax: (86) 21 51370635

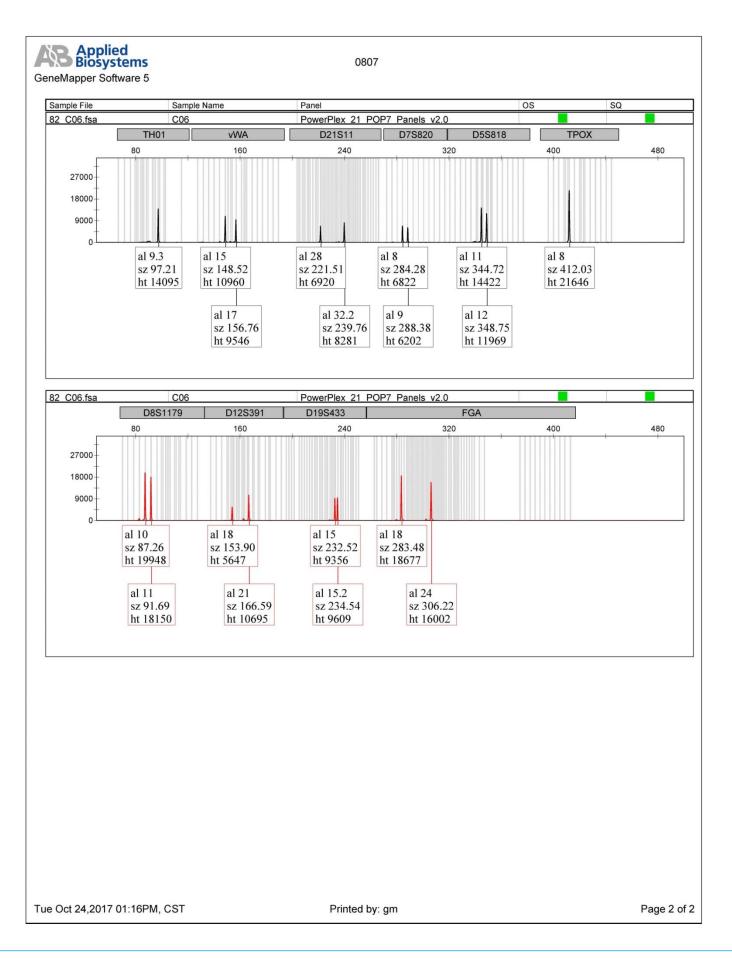




Shanghai Genechem Co., Ltd.

Add : NO.332, Aidisheng Road, Zhangjiang Hi-Tech Park, Shanghai 201203 P.R. China Tel : (86) 21 51320189
Fax : (86) 21 51370635





Shanghai Genechem Co., Ltd.

Add : NO.332, Aidisheng Road, Zhangjiang Hi-Tech Park, Shanghai 201203 P.R. China Tel : (86) 21 51320189
Fax : (86) 21 51370635

4