



Cell Line Authentication Service STR Profile Report

Sales Order: 240508K
Cell Line Designation: HPAC
Date Sample Received: May 8th, 2024
Report Date: May 11th, 2024

Methodology: Twenty-one short tandem repeat (STR) loci plus the Amelogenin locus were amplified using the commercially available SiFaSTR™ 23 plex Kit. 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 2021 in ANSI Standard (ASN-0002) by the ATCC Standards Development Organization (SDO) and in Jamie L. Almeida et al., Authentication of Human and Mouse Cell Lines by Short Tandem Repeat (STR) DNA Genotype Analysis. Assay Guidance Manual. PMID: 23805434. Bookshelf ID: NBK144066.

GTB™ 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. Genetic Testing Biotechnology (GTB) 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 GTB 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 GTB's option, refund of the fee paid for such service or repeat of the service.

NOTE: According to the recommendations of IJC on cell line authentication, the report is valid for 3 years since the issue date.

Technical Questions?
GTB Technical Support
+86-512-67486171
service@jsdna.org
Section 505, Yixin BLD
SIP, Suzhou, 215123
Jiangsu, P.R. China

Ordering Questions?
order@jsdna.org
GTB Corporation
+86-512-62806339
Section 303, Yixin BLD
SIP, Suzhou, 215123
Jiangsu, P.R. China



Cell Line Authentication Service STR Profile Report

Sales Order: 240508K

Loci	Test Results for Submitted Sample		ExPASy Reference Database Profile	
	Query Profile: HPAC		Database Profile: HPAC	
Amelogenin	X			
D3S1358	15	17	15	17
D5S818	12		12	
D2S1338	19	23		
TPOX	10	11	10	11
CSF1PO	13		13	
Penta D	13			
TH01	9.3		9.3	
vWA	15	17	15	17
D7S820	10	12	10	12
D21S11	30		30	
Penta E	15			
D10S1248	13	17		
D8S1179	12	14	12	14
D1S1656	15	15.3		
D18S51	16		16	
D12S391	17	18		
D6S1043	18			
D19S433	14			
D16S539	9	10	9	10
D13S317	11		11	
FGA	24		24	

The allele match algorithm compares the 13 core STR loci only, even though alleles from all loci will be reported when available.

Note: Loci highlighted in grey (13 core STR loci) 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.

The sample match is based on the reference data available at the time of comparison.

Explanation of Test Results

Cell lines with ≥80% match are derived from the same donor. Cell lines with between a 70% to 79% match require further profiling for authentication of relatedness. Cell lines with <70% match are very unlikely to be from the same donor.

- The submitted sample profile is human, but not a match for any profile in the ExPASy STR database.
- The submitted profile is an exact match for the following human cell line(s) in the ExPASy STR database (13 core STR loci): HPAC
- The submitted profile is similar to the following ExPASy human cell line(s):

e-Signature Technician:



Digitally signed by Xuekun Chen
 DN: cn=Xuekun Chen, o=Genetic Testing
 Biotechnology (Suzhou), ou=DNA Typing Section,
 email=order@jsdna.org, c=CN
 Date: 2024.05.11 10:51:03 +08'00'

e-Signature Reviewer:

Digitally signed by Xiankun Zhao
 DN: cn=Xiankun Zhao, o=Genetic Testing
 Biotechnology (Suzhou), ou=Supervision Section,
 email=service@jsdna.org, c=CN
 Date: 2024.05.11 11:00:04 +08'00'



More information

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



Cell Line Authentication Service STR Profile Report

