

Eurofins Genomics Europe Applied Genomics GmbH, Anzinger Str. 7 a, D-85560 Ebersberg

Hannah Baumert
 Uniklinik Freiburg, Zentrale Klinische Forschung
 Breisacher Straße 66
 79106 Freiburg
 Germany

**Certificate
 Cell Line Authentication Test
 Order ID: 11106693202**

Report date: 21.01.2020

Method:

DNA isolation was carried out from cell pellet (cell layer).
 Genetic characteristics were determined by PCR-single-locus-technology.
 16 independent PCR-systems D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, AMEL, D5S818, FGA, D19S433, vWA, TPOX and D18S51 were investigated.
 (Thermo Fisher, AmpFISTR® Identifier® Plus PCR Amplification Kit)
 In parallel, positive and negative controls were carried out yielding correct results.

Result:

Client Sample Name	9
Sample Code	CL00000355
D8S1179	13,14
D21S11	30,2,31
D7S820	9,12
CSF1PO	11,13
D3S1358	14,15
TH01	8,9,3
D13S317	11,13
D16S539	10,13
D2S1338	19,25
D19S433	10,13
vWA	16,19
TPOX	8,9
D18S51	17,17
AMEL	X,X
D5S818	12,13
FGA	25,26
Database Name	IMR-90

The table shows the result of the cell line analysis and the comparison with the online database of the DSMZ (<http://www.dsmz.de/de/service/services-human-and-animal-cell>) and the Cellosaurus database (<https://web.expasy.org/cellosaurus>). Please note that only the PCR-systems according to ANSI/ATCC standard ASN-0002 were aligned (D5S818, D13S317, D7S820, D16S539, VWA, TH01, TPOX, CSF1PO, AMEL).

This report was created automatically and is therefore valid without a signature.

The laboratory is accredited acc. to **DIN EN ISO/IEC 17025:2005**. The accreditation applies only to the test methods specified in the accreditation certificate. All analyses have been carried out with greatest care and on the basis of state of the art scientific knowledge. The results refer solely to the analysed samples. The duplication and publication also in parts requires a written authorization by this laboratory. Our General Terms and Conditions apply exclusively and are available under eurofinsgenomics.com



**Eurofins Genomics Europe
 Applied Genomics GmbH**
 Anzinger Straße 7 a
 85560 Ebersberg
 Germany

Tel.: +49 8092 8289-200
 Fax: +49 8092 8289-201
 Email: info-eu@eurofins.com
 Web: eurofinsgenomics.com

Managing Directors: Dr. Michael Hadem,
 Dr. Peter Persigehl
 Register Court Munich HRB 207710
 VAT ID: DE815473648

HypoVereinsbank
 IBAN: DE23 2073 0017 7000 0006 50
 SWIFT: HYVEDEMM17