



GRUPO DE HABLA ESPAÑOLA Y PORTUGUESA DE LA ISFG
GRUPO DE LINGUAS ESPANHOLA E PORTUGUESA DA ISFG



MINISTERIO DE LA PRESIDENCIA JUSTICIA Y RELACIONES CON LAS CORTES
SERVICIO DE GARANTÍA DE CALIDAD
DEPARTAMENTO DE MADRID

El Laboratorio / *The Laboratory*

Heréditas Tecnologia em Análise de DNA. HEREDITAS

Ha participado en el Ejercicio 2024 con el precinto
Has participated in the 2024 Exercise with the seal number

212429

Nivel Básico Parentesco/ Kinship Basic Level

En caso de tener que realizar alguna reclamación contra la evaluación del desempeño tienen a su disposición una Hoja de Reclamaciones en la web <https://ghep-isfg.org/es/proficiency/complain-form/>

In case you have any complaint against the evaluation of performance, there is at your disposal a Complaint form which you can find on <https://ghep-isfg.org/en/proficiency/complain-form/>

Las Rozas de Madrid, 28 de noviembre de 2024

Koro Fernández Oliva
Coordinadora del Ejercicio



GRUPO DE HABLA ESPAÑOLA Y PORTUGUESA DE LA ISFG
GRUPO DE LINGUAS ESPANHOLA E PORTUGUESA DA ISFG



Instituto Nacional de Toxicología
y Ciencias Forenses



MINISTERIO DE LA PRESIDENCIA JUSTICIA Y RELACIONES CON LAS CORTES
SERVICIO DE GARANTÍA DE CALIDAD
DEPARTAMENTO DE MADRID

INTERCOMPARISON PROGRAM “ANALYSIS OF DNA POLYMORPHISMS IN BLOOD STAINS AND OTHER BIOLOGICAL SAMPLES”

The laboratory with Seal **212429**

Has participated in the **Kinship Module, basic level** of the 2024 Intercomparison Program, which includes a practical study with the analysis of two blood and one saliva items and a theoretical study.

The analyses performed and the assessment of the results obtained are shown in the following tables. The assigned values used to carry out the assessment can be consulted in the final report at: <https://ghep-isfg.org>

Kinship practical study

Autosomal STRs + Amel				Y-Chromosome STRs			X-Chromosome STRs			
Marker	M1	M2	M3	Marker	M1	M2	Marker	M1	M2	M3
AMEL	C	C	C	DYS389 I	C	C	DXS8378	C	C	C
D8S1179	C	C	C	DYS390	C	C	DXS7423	C	C	C
D21S11	C	C	C	DYS389 II	C	C	DXS7132	C	C	C
D7S820	C	C	C	DYS19	C	C	DXS10103	C	C	C
CSF1PO	C	C	C	DYS385	C	C	DXS10146	C	D	C
D3S1358	C	C	C	DYS393	C	C	DXS10079	C	C	C
TH01	C	C	C	DYS391	C	C	DXS10148	C	C	C
D13S317	C	C	C	DYS439 (GATA A	C	C	HPRTB	C	C	C
D16S539	C	C	C	DYS392	C	C				
D2S1338	C	C	C	GATAH4	C	C				
D19S433	C	C	C	DYS437	C	C				
vWA	C	C	C	DYS438	C	C				
TPOX	C	C	C	DYS460 (GATA A	C	C				
D18S51	C	C	C							
D5S818	C	C	C							
FGA	C	T	C							
Penta D	C	C	C							
Penta E	C	C	C							
D10S1248	C	C	C							
D22S1045	C	C	C							
D2S441	C	C	C							
D1S1656	C	C	C							
D12S391	C	C	C							
SE33 (ACTBP2)	C	C	C							
FES/FPS	C	C	C							
F13A01	C	C	C							
F13B	C	C	C							
LPL	C	C	C							
D6S1043	C	C	C							

C= Correct; C/F = Correct but with format error; D= Discordant; N= Nomenclature discrepancy; T= Transcription error; NA= Not analyzed ; SA= Without assigned value; SR = Without result; NE= Not evaluated



GRUPO DE HABLA ESPAÑOLA Y PORTUGUESA DE LA ISFG
GRUPO DE LINGUAS ESPANHOLA E PORTUGUESA DA ISFG



Instituto Nacional de Toxicología
y Ciencias Forenses



MINISTERIO DE LA PRESIDENCIA JUSTICIA Y RELACIONES CON LAS CORTES
SERVICIO DE GARANTÍA DE CALIDAD
DEPARTAMENTO DE MADRID

Seal

212429

Kinship theoretical study

Marker	KI Evaluation
CSF1PO	C
D10S1248	C
D12S391	C
D13S317	C
D16S539	C
D18S51	C
D19S433	C
D1S1656	C
D21S11	C
D22S1045	C
D2S1338	C
D2S441	C
D3S1358	C
D5S818	C
D6S1043	C
D7S820	C
D8S1179	C
FGA	C
Penta D	C
Penta E	C
SE33	C
TH01	C
TPOX	C
VWA	C
IP Total	C

C= Correct; C/F = Correct but with format error; D= Discordant; T= Transcription error; NA= Not analyzed ; SA=No assigned value

In witness whereof and for all pertinent purposes I hereby issue the following certificate

Las Rozas de Madrid, 30 th October, 2024

K. Fernández Oliva
Exercise coordinator

VºBº
C. Sánchez de la Torre
INTCFM Manager

VºBº
L. Gusmao
GHEP-ISFG President