



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



Ministerio de Justicia
INSTITUTO NACIONAL DE TOXICOLOGÍA Y CIENCIAS FORENSES
DEPARTAMENTO DE MADRID
SERVICIO DE GARANTÍA DE CALIDAD

El Laboratorio / *The Laboratory*

Heréditas Tecnologia em Análise de DNA. HEREDITAS

Ha participado en el Ejercicio 2022 con el precinto
Has participated in the 2022 Exercise with the seal number

87743

Se adjuntan los certificados de participación y evaluación de resultados del:
Here they are enclosed certificates of participation and evaluation of results from

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 the web <https://ghep-isfg.org/en/proficiency/complain-form/>

Las Rozas de Madrid, 22 de octubre de 2022



Koro Fernández Oliva
Coordinadora del Ejercicio



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

The laboratory with Seal **87743**

Has participated in the **Kinship Module, basic level** of the 2022 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

<i>Autosomal STRs + Amel</i>				<i>Y-Chromosome STRs</i>			<i>X-Chromosome STRs</i>			
<i>Marker</i>	<i>M1</i>	<i>M2</i>	<i>M3</i>	<i>Marker</i>	<i>M2</i>	<i>M3</i>	<i>Marker</i>	<i>M1</i>	<i>M2</i>	<i>M3</i>
AMEL	C	C	C	DYS389 I	C	C	DXS8378	C	C	C
D8S1179	C	C	C	DYS390	C	C	DXS9898	C	C	C
D21S11	C	C	C	DYS389 II	C	C	DXS7133	C	C	C
D7S820	C	C	C	DYS19	C	C	GATA31E08	C	C	C
CSF1PO	C	C	C	DYS385	C	C	GATA172D05	C	C	C
D3S1358	C	C	C	DYS393	C	C	DXS7423	C	C	C
TH01	C	C	C	DYS391	C	C	DXS6809	C	C	C
D13S317	C	C	C	DYS439 (GATA A4)	C	C	DXS7132	C	C	C
D16S539	C	C	C	DYS392	C	C	DXS9902	SA	C	C
D2S1338	C	C	C	GATAH4	C	C	DXS6789	C	C	C
D19S433	C	C	C	DYS437	C	C	DXS10103	C	C	C
vWA	C	C	C	DYS438	C	C	DXS10146	C	C	C
TPOX	C	C	C	DYS460 (GATA A7.1)	C	C	DXS10079	C	C	C
D18S51	C	C	C				DXS10148	C	C	C
D5S818	C	C	C				HPRTB	C	C	C
FGA	C	C	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							
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



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Seal **87743**

Kinship theoretical study

<u>Marker</u>	<u>PI Evaluation</u>
D8S1179	C
D21S11	C
D7S820	C
CSF1PO	C
D3S1358	C
TH01	C
D13S317	C
D16S539	C
D2S1338	C
D19S433	C
vWA	C
TPOX	C
D18S51	C
D5S818	C
FGA	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, 5th October, 2022

K. Fernández-Oliva
Exercise Coordinator



VºBº

C. Sánchez de la Torre
INTCFM Manager



VºBº

L. Gusmao
GHEP-ISFG President