



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



INTERCOMPARISON PROGRAM

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

The laboratory with Seal **90133**

Has participated in the **Kinship Module, basic level** of the 2019 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	Marcador	M1	M2	M3
AMEL	C	C	C	DYS389 I	C	DXS8378	C	C	C
D8S1179	C	C	C	DYS390	C	DXS9898	C	C	C
D21S11	C	C	C	DYS389 II	C	DXS7133	C	C	C
D7S820	C	C	C	DYS19	C	GATA31E08	C	C	C
CSF1PO	C	C	C	DYS385	C	GATA172D05	C	C	C
D3S1358	C	C	C	DYS393	C	DXS7423	C	C	C
TH01	C	C	C	DYS391	C	DXS6809	C	C	C
D13S317	C	C	C	DYS439 (GATA A4)	C	DXS7132	C	C	C
D16S539	C	C	C	DYS392	C	DXS6789	C	C	C
D2S1338	C	C	C	GATAH4	C	DXS10103	C	C	C
D19S433	C	C	C	DYS437	C	DXS10146	C	C	C
vWA	C	C	C	DYS438	C	DXS10079	C	C	C
TPOX	C	C	C	DYS460 (GATA A7.1)	C	HPRTB	C	C	C
D18S51	C	C	C						
D5S818	C	C	C						
FGA	C	C	C						
Penta D	C	C	C						
Penta E	C	C	C						
D22S1045	C	C	C						
D2S441	C	C	C						
D1S1656	C	C	C						
D12S391	C	C	C						
SE33 (ACTBP2)	C	C	C						
F13B	C	C	C						
LPL	C	C	C						
D3S1744	C	C	D						
D8S1132	C	C	C						
D6S1043	C	C	C						

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



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Seal

90133

Kinship theoretical study

Marker	PI Evaluation
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
D10S1248	C
D22S1045	C
D2S441	C
D1S1656	C
D12S391	C
SE33	C
IP TOTAL	C

C= Correct; F/C= Correct but with format error; D= Discordant; T= Transcription error; NA= Not analyzed; SA= Without assigned value

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

Las Rozas de Madrid, 28 October, 2019

VºBº

K. Fernández Oliva
Exercise coordinator

C. Sánchez de la Torre
INTCFM Manager

VºBº

U. Toscanini
GHEP-ISFG President

