



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 **356681**

Has participated in the **Kinship Module, basic level** of the 2018 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>

#### Kimship 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>M1</i>	<i>Marcador</i>	<i>M1</i>	<i>M2</i>	<i>N</i>
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	GATA172D05	C	C	C
CSF1PO	C	C	C	DYS385	C	DXS7423	C	C	C
D3S1358	C	C	C	DYS393	C	DXS6809	C	C	C
TH01	C	C	C	DYS391	C	DXS7132	C	C	C
D13S317	C	C	C	DYS392	D	DXS6789	C	C	C
D16S539	C	C	C						
D2S1338	C	C	C						
D19S433	C	C	C						
vWA	C	C	C						
TPOX	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	D	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; 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 **356681**

**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
PENTA D	C
PENTA E	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, October 22, 2018**

K. Fernández Oliva  
Exercise coordinator



*VºBº*

C. Sánchez de la Torre  
INTCFM Manager

*VºBº*

U. Toscanini  
GHEP-ISFG President