

Quality Assurance and control of items

✓ **PREPARATION IS CARRIED OUT TAKING SPECIALLY CARE TO PREVENT CONTAMINATION**



- Laboratory of exclusive use.
- Personal protective equipment.
- Decontamination of surfaces.



- Use of sterilized material including carrier substrates.

✓ **MAINTENANCE OF THE HOMOGENEITY DURING THE PREPARATION**



✓ **STUDIES OF THE INTEGRITY AND HOMOGENEITY OF THE ITEMS BEFORE DELIVERY**

- Body fluid identification and genetic analysis of a group of items.
- Analysis of negative blank substrate controls.

Timetable

- **November-December:** Registration
- **1-20 February:** Delivery of items
- **1 to 15 May:** Deadline for submission of results.
- **September,** presentation of results in a Meeting.
- After the Meeting: Final Report.
- **October:** certificates of participation and evaluation of results.

Reports

A final report including: description of items, assigned values, individual results, methodology used, comments and recommendations from the organization, remarks and suggestions from the participants.

Certificates

For each module a certificate of participation and evaluation of results is issued.

Fees

See information at <https://ghep-isfg.org>.



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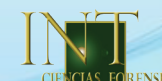


URL: <http://ghep-isfg.org/en/proficiency/>



GRUPO DE HABLA ESPAÑOLA Y PORTUGUESA DE LA ISFG

GRUPO DE LÍNGUAS ESPANHOLA E PORTUGUESA DA ISFG



Ministerio de Justicia

INSTITUTO NACIONAL DE TOXICOLOGÍA Y CIENCIAS FORENSES
SERVICIO DE GARANTÍA DE CALIDAD

Intercomparison Program “Analysis of DNA polymorphisms in blood stains and other biological samples”

A proficiency DNA testing program designed for forensic and paternity laboratories



<http://ghep-isfg.org/>

Analysis of DNA polymorphisms in blood stains and other biological samples

Since 1992, it has been organized annually in Spain, a Forensic Intercomparison Exercise coordinated by the Madrid Department of the National Institute of Toxicology and Forensic Sciences (INTCFM) and organized by the Spanish and Portuguese Speaking Working Group of the International Society for Forensic Genetics (GHEP-ISFG).



Currently the program offers different kinship items whereby participants have to identify them genetically and forensic items for the purpose of body fluid identification and genetic analysis. The program also provides with simulated forensic and paternity cases for biostatistical calculations.

It is divided in two levels: Basic and Advanced, which in turn are divided into a kinship module and a forensic module.

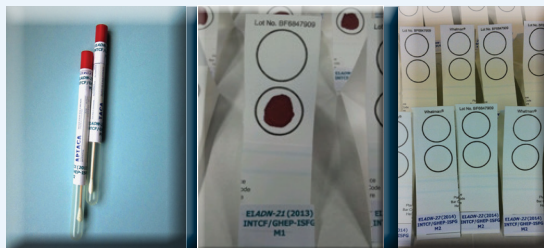
Since 2014 the Basic level is accredited under ISO/IEC 17043:2010. Conformity assessment. General requirements for proficiency testing.

Basic Level

Accredited under ISO/IEC 17043:2010



Kinship Module



⇒ Blood & saliva

- Nuclear (autosomal STRs, Y-STRs, X-STRs) and mitochondrial DNA analysis.

⇒ Data for biostatistical calculations.

Forensic Module

⇒ Blood/saliva and/or semen stains (One single source stain or a mixed stain)

- Body fluid identification.
- Nuclear (autosomal STRs, Y-STRs, X-STRs) and mitochondrial DNA analysis.



⇒ Hair shafts

- Mitochondrial DNA analysis.

⇒ Data for biostatistical calculations.

Advanced Level (*)

Kinship Module

⇒ Data for statistical calculations.

Forensic Module

⇒ Blood/semen and/or saliva, spotted onto different substrates and/or contaminated hair.

- challenging single source stains (degraded, inhibited, low level DNA...).
- challenging mixed stains (unbalanced mixtures).

⇒ One non human item (optional)



- Body fluid identification.
- Nuclear (autosomal STRs, Y-STRs, X-STRs) and mitochondrial DNA analysis.

⇒ Data for statistical calculations.

(*) Advanced level tests are not included in the scope of accreditation