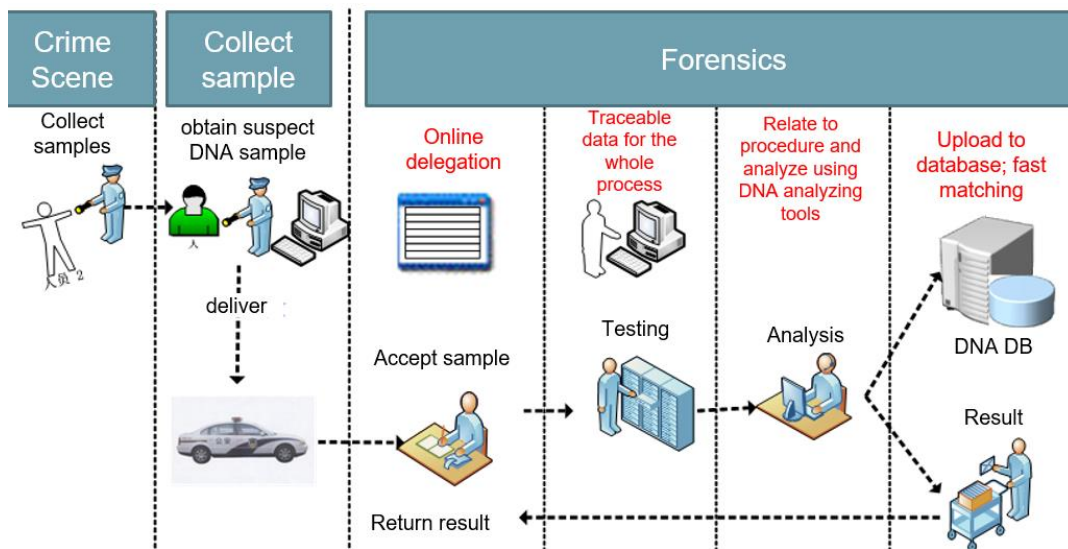


# Hisign DNA LIMS

---DNA Laboratory Information Management System

Hisign DNA Laboratory Information Management System (DNA LIMS) is provided to users as a comprehensive information management solution of full procedure DNA analysis technology. The system plays a big role in criminal investigation, victim identification in major disasters, law enforcement of drug abuses, public security and anti-terrorism.

## GENERAL DIAGRAM



## Delegation

- Allows for quick registration of case for lab technician to start the procedures immediately.
- Client may submit more samples to a case at a later time.
- A batch of samples from different individuals can be submitted for a single case.
- Online registration is supported.
- The delegator may track the transaction progress online.
- DNA matching report, court exhibit report, etc. are customizable.



## Computer aided DNA data analysis

Detailed DNA processes

Comprehensive QA/QC measures

Detect sample contamination

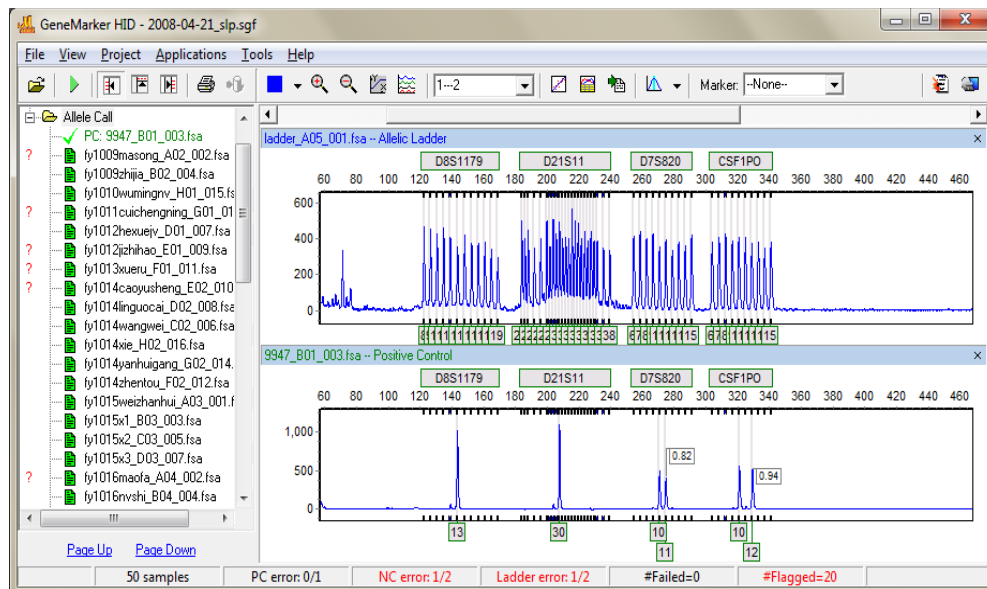
Support for commercially available reagent kits.

Consumption and residual of reagents are recorded and monitored automatically.

Allows for processing of multiple samples.

Sample processing Information is automatically recorded, including extraction, amplification and electrophoresis.

Digital DNA profile obtained and uploaded to DNA database



Clear result at a glance



## DNA profile matching

### Matching mode

Support same type matching (STR\YSTR), kinship matching.

Match report includes personal Identity information, DNA profile hit results and likelihood calculations

### Match Performance

Strong and high-efficient matching algorithms executed on large scale databases can finish matching in very short time. Searches in up to 10M profiles can be made in 2 seconds.

### Matching Stringency

Matching stringency can be set to high, medium or low. User can define the minimum number of Loci that must match as well as whether the match must be exact or partial.

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