

DNA PROCESSING

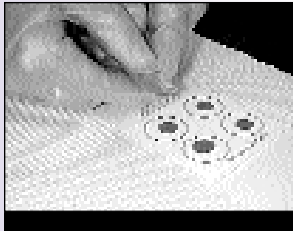
1.

Blood (or buccal or hair) sample collected by police officer.



2.

Blood spotted on FTA® collection card.



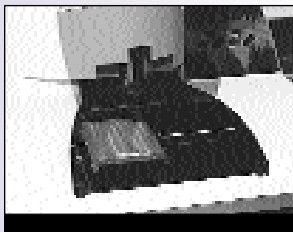
3.

Donor identity checked by fingerprints.



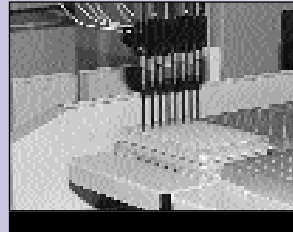
4.

Sample plate bar coded and prepared.



5.

1.5mm disk punched from sample cards into each of 96 wells on plate.



6.

Multiple DNA samples simultaneously processed using robots.



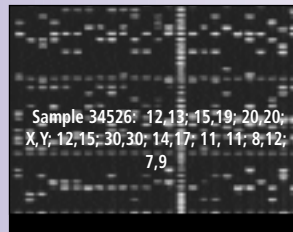
7.

DNA fragments of interest are labeled with a fluorescent marker and amplified.



8.

DNA analyzed using a DNA sequencer.



9.

13 different DNA tests analyzed and then profile simplified to a series of numbers.



10.

DNA profile entered into CODIS and matched against other profiles.