

PRESS RELEASE

DECEMBER 2005

Elemental Fingerprinting for QC and Forensic Applications: Now a Reality with Prodigy's Spectral Subtraction and Advanced Qualitative Analysis Capability

Hudson, NH - Teledyne Leeman Labs introduces a new technical note for its High Dispersion ICP, The Prodigy. A new technical note on elemental fingerprinting for QC and Forensic Applications.

Imagine for a moment that you are a forensic scientist working for the FBI. You are attempting to determine if several seemingly unrelated crimes might be linked. In this instance, the FBI forensic chemistry lab needs to determine if bullet lead fragments from different crime scenes can be linked to a single perpetrator. This is an analytical challenge which is ideal for elemental fingerprinting.

One of the benefits of array detector ICP spectrometers is their capability to measure all elements in an unknown sample. This capability is extremely powerful for QC and/or forensic applications. In order to take advantage of this capability, the ICP spectrometer must be able to provide full wavelength coverage as well as the spectral data handling tools needed to do the "fingerprinting". This technical note demonstrates the elemental fingerprinting capabilities of the Teledyne Leeman Labs Prodigy High Dispersion ICP Spectrometer.

To receive a copy of our technical note on Elemental Fingerprinting for QC and Forensic Applications, call 1-603-886-8400 or email: LeemanLabsinfo@teledyne.com.

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