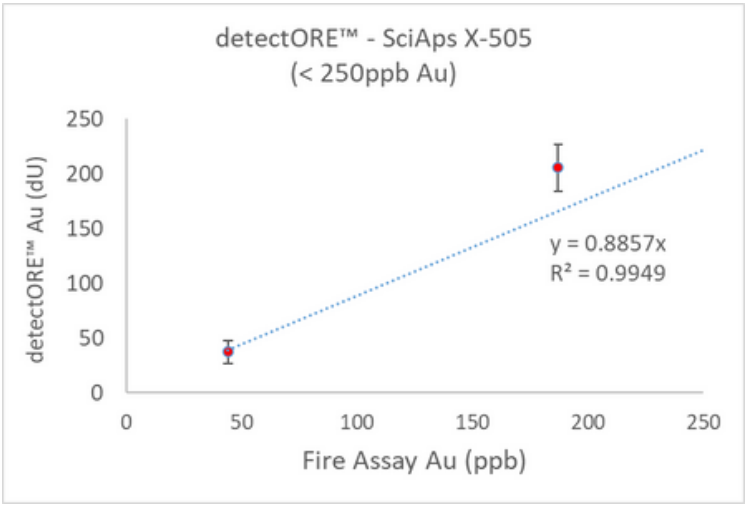
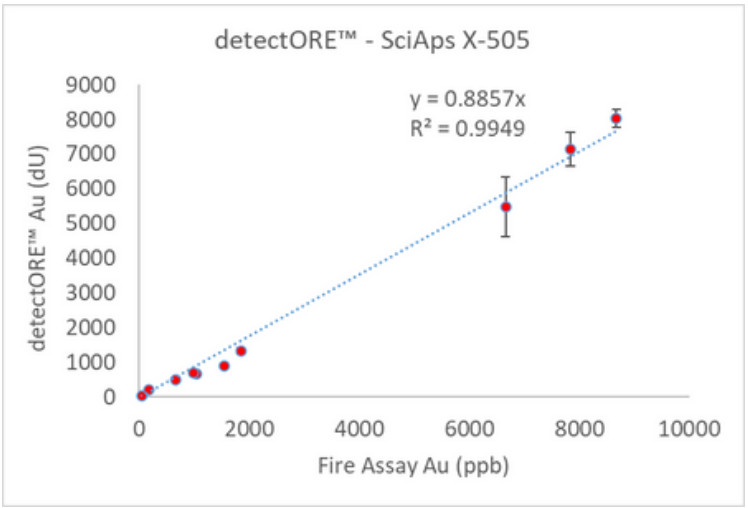
SciAps

SciAps & detectORE™

The Future of In-field Gold Analysis

The detectORE App provides highly optimized calibrations for low-level gold analysis anywhere, and it's now available with the best handheld analyzer ever made, the SciAps X-505.





SciAps X-505 handheld XRF with detectORE™ App

Data from samples representing a wide variety of gold deposits show an impressive correlation between the detectORE method run on the X-505 and fire assay, from 8.6ppm all the way down to 44ppb. Historically, pXRF has achieved a best-case limit of detection for Au around 1-2ppm but struggled with spectral interferences from elements like Zn, As, W which could decrease accuracy and cause false detections. The detectORE method lowers the detection limit to 20ppb while virtually eliminating the spectral interferences.

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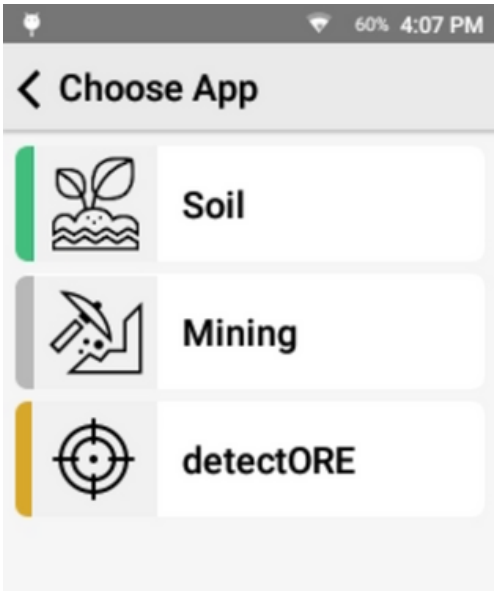
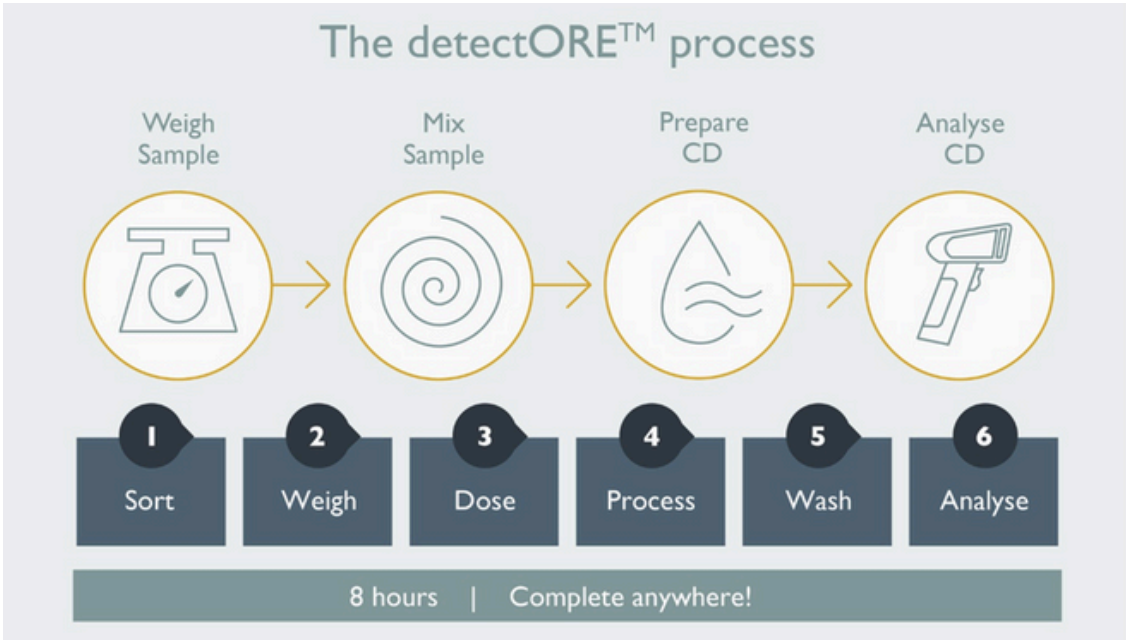
SciAps XRF pairs with Portable PPB



detectORE App now available on SciAps pXRF

After several years of working with Portable PPB, SciAps, Inc. is now pleased to offer a fully integrated solution for our clients. SciAps X-505 has been optimized to meet Portable PPB's stringent requirements, and now has their endorsement to use their unique detectORE™ technique. SciAps is committed to continuing development to further enhance the pXRF capabilities related to this powerful new approach to low-level gold analysis.

detectORE™ is a World First technique exclusive to Portable PPB Pty Ltd for enabling low-level gold analysis from anywhere using the patented detectORE™ Widget, proprietary software and fully optimized portable XRF linked to their pLIMS™ software with full QAQC and tracking. It is a system and a process. The system involves the sample preparation, sample processing and use of a pXRF to obtain low-level gold results in the field. It is a process, that enables rapid progress through "reactive sampling" whereby the explorer can change the sample spacing as results come to hand on a daily basis. This helps to quickly define and delineate gold anomalies across a range of sample media, which enables explorers to E*xplore Smarter and Discover Faster*™.



Low-level gold by using the SciAps X-505 pXRF is now fully optimized to the patented detectORE™. This provides geologists the ability to detect gold in samples, anywhere, down to low ppb concentrations, whilst not affecting the ability to also collect conventional multi-element results via conventional pXRF processes. Together, transforming the way you explore, define and mine gold.

The SciAps X-505 pXRF offers the only way to find economically viable gold concentrations in the field.

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