

PROJECT REVIEW

“Implementation of ultra-high performance supercritical fluid chromatography for screening and confirmation analysis”

Dr. C. Goebel (National Measurement Institute, Australia)

The implementation project will review the capability of the proposed new technology (ultra-high performance supercritical fluid chromatography) within an anti-doping environment. The project will replicate the work done by Desfontaine, Novakova et al (2015/2016) and apply it into screening analysis for three months (circa 1500 samples). This will allow the methodology to be assessed with real samples which can be quite dirty and more difficult to analyse. The method will also be considered as an orthogonal technology which could be ideally suited for use in confirmation methodology by anti-doping laboratories.