

An aerial, top-down view of a mining operation. The scene is dominated by a network of heavy-duty tracks and various pieces of industrial machinery, including what appears to be a large conveyor system or a series of processing units. The terrain is rugged and uneven, typical of a mining site. The overall color palette is dark and monochromatic, with shades of grey and black, giving it a gritty, industrial feel.

RANDOX TOXICOLOGY

Mining Industry

Surrounded by heavy equipment, toxic substances and explosion risks, mining workers are enduring long shifts miles away from their families. With few amenities available; stress, loneliness and boredom are factors that contribute to the increasing substance abuse in the mining industry. Employees abusing substances are likely to have problems with perception and motor skills as well as concentration and judgement, putting themselves and their co-workers at risk. The priority for any mine is keeping workers who are under the influence of drugs and alcohol off the site, as a single incident caused by someone using drugs or alcohol is one to many.

Radox Toxicology's role?

Driven by this knowledge, Radox Toxicology comply with health and safety regulations for drugs of abuse testing with our pioneering Evidence MultiSTAT analyser. Designed for a variety of matrices including oral fluid, urine and whole blood the Evidence MultiSTAT simultaneously screenings for a broad range of classical, prescriptions and synthetic drugs of abuse and with the addition of ETG (ethyl glucuronide), the broken-down ethanol product detects alcohol in the employee's system. With an automated process and minimal sample preparation, testing can be carried out by non-laboratory staff in any environment.

Benefits



Simple Process

1. Add sample to cartridge
2. Load sample and tip cartridges
3. Press start to get results



Multiple Matrices

Applicable for urine, blood and oral fluid enables less invasive and quick sample collection



Rapid Results

Qualitative results are available in under 20 minutes from one single employee sample.



Small sample volume

Only a small sample volume required, leaving more for confirmatory testing.

Drugs Detected on the Evidence MultiSTAT

Drug Groups		
α -PVP (Flakka)	Cannabinoids (THC)	Opiates
AB-CHMINACA	Creatinine	Oxycodone
AB-PINACA	Ethyl Glucuronide (EtG)	Phencyclidine (PCP)
Amphetamine	Fentanyl	Propoxyphene (PPX)
Barbiturates	JWH-018	Pregabalin
Benzodiazepines I (Oxazepam)	Ketamine	Tramadol
Benzodiazepines II (Lorazepam)	LSD	Tricyclic Antidepressants (TCA)
Benzoylcegonine (Cocaine Metabolite)	Methadone	URI44 / XLR11
Buprenorphine	Methamphetamine	6-MAM

*Our tests are validated for Intercept i2 and NeoSal™ collection devices.