

Elite Bio Reference Laboratory performs clinical toxicology testing on both Urine and Saliva (Oral Fluid) specimens. Urine Toxicology testing, also called as **Urine Drug Test** is a test that checks for the presence of **drugs** or their metabolites.

Elite lab uses Carolina liquid Chemistry (CLC 800) for drug screening and AB Sciex 4500 LCMSMS for confirmatory testing.

- **CLC 800** is an **Enzyme Immunoassay (EIA)** analyzer commonly used in clinical toxicology for the qualitative or semi quantitative detection of drugs in urine. CLC EIA is a widely used initial test to detect the presence of drugs and their metabolites in urine samples. It's fast, cost effective and very commonly used in toxicology labs for screening purposes. CLC EIA is also used for specimen validity testing (SVT). SVT is a critical step in drug testing to ensure the sample has not been tampered with, substituted, diluted, or adulterated. It helps confirm that the urine sample is genuine and suitable for drug analysis, especially important before proceeding to EIA screening or LC-MS/MS confirmation.



- AB SCIEX 4500 LC-MS/MS system plays a critical role in toxicology, especially in analytical and clinical toxicology labs, due to its high sensitivity, specificity, and throughput. It's a gold-standard tool for detecting, identifying, and quantifying drugs and their metabolites in biological specimens.

Why Use the ABSCIEX 4500 Specifically?

- **High-throughput MRM (Multiple Reaction Monitoring):** Allows simultaneous analysis of many compounds and selective and sensitive detection of target analytes.
- **Excellent sensitivity:** Detects trace levels even in complex matrices like urine or blood
- **Fast polarity switching:** Enables broad panel coverage (positive and negative ion mode)
- **Robust performance:** Designed for routine, 24/7 toxicology lab environments



LCMSMS Confirmation Panel

Buprenorphine	Buprenorphine	Amphetamines	Amphetamine
	Norbuprenorphine		Methamphetamine
Opiates	Codeine	MDA's	Phentermine
	Morphine		MDA
	Hydrocodone	Cocaine	MDMA
	Hydromorphone		Benzoylcegonine (Cocaine Metab)
Oxycodone	Oxycodone	Heroin	6-MAM (Heroin metab.)
	Norhydrocodone	cannabinoid, Natural	THC-COOH
Fentanyl	Fentanyl	Gabapentin	Gabapentin
	Norfentanyl		Methylphenidate
Methadone	Methadone	Pregabalin	Pregabalin
	EDDP	skeletal muscle relaxants	Carisoprodol
Semi/Synthetic Opioids	Meperidine		Cyclobenzaprine
	Normeperidine		Meprobamate
Tapentadol	Tapentadol	Sedative Hypnotics/Non-benzo	Zolpidem
Tramadol	Tramadol	TCAs	Nortryptiline
	O-Desmethyl-cis-tramadol		Amitryptiline
Benzodiazapines	Hydroxylalprazolam	Alcohol biomarkers	EtS
	7-Amino Clonazepam	Barbiturates	Butalbital
	Lorazepam		Pento/Amobarb
	Nordiazepam		Phenobarbital
	Temazepam	PCP	PCP
	Oxazepam	Ketamine	Ketamine
			Norketamine