

# Champlain Toxicology Lab

## Screening

Most drug screening at Champlain Toxicology Lab is conducted using a technique known as Enzyme Immunoassay (EIA). These reactions are performed on chemistry analyzers and use antibody/tagged antigen reactions to measure the amount of a drug or drug class in a urine sample.

False positives for urine samples screened by EIA were once very common. Advances in screening instrumentation and antibody design and production provide for much more accurate and specific analyses.

Champlain Toxicology also performs some screening by LCMSMS, meaning that the drugs are identified by their separation in time and also on a molecular level.

All screening at Champlain Toxicology is performed qualitatively, results are given as “positive” or “negative.”

Samples positive for a screen are considered “presumptive positive.” For added confidence in determining exact drug and concentration, Confirmation Testing is recommended.

### Screening Test Menu:

#### **Screening Assays – Olympus AU400**

- Amphetamine
- Barbiturates
- Benzodiazepines
- Buprenorphine
- Cocaine Metabolite
- Fentanyl
- Methadone Metabolite
- Opiates
- Oxycodone
- Marijuana Metabolite

#### **LCMSMS Screening**

- Gabapentin
- Pregabalin