

## Thin Layer Chromatography

The Thin Layer Chromatography assay detects over 300 drugs, including prescription and non-prescription drugs.

A minimum of 10 mL is required for this assay.

Positive results for opiates and amphetamine type substances in the immunoassay screen can be further differentiated using Thin Layer Chromatography.

If results are required for medico-legal purposes, confirmation is available by Gas Chromatography/Mass Spectrometry (GC/MS).

Some of the classes and specific drugs detected are:

- Opiates
- Amphetamine type substances
- Methadone
- Phenothiazines
- Tricyclic antidepressants
- SSRI antidepressants
- Pethidine
- Xanthine derivatives
- Dextropropoxyphene
- Some antihypertensive drugs
- Paracetamol
- Some carbamates
- Some of the newer antidepressants
- Antipsychotic drugs

Barbiturates and LSD cannot be detected by any assays used in this laboratory. Any drug-specific enquiries can be directed to the Biochemistry laboratory.