

Evaluation of Barbiturate results

Detection limit used

200 ng/mL

Crossreactivity

This assay detects amobarbital, phenobarbitone and pentobarbital.

Metabolism

Pentobarbital is short acting (half life: 27 hours).

Amylobarbitone (half life: 8–40 hours) is intermediate acting.

Phenobarbitone (half life: 48–144 hours) is long acting.

These substances are detected in urine for several days following their administration.

Adulterants affecting the assay

The addition of bleach, detergent, Drano, lemon juice, and Visine may cause false negative results at drug levels close to the detection limit.