

Barbiturates

Production:	chemically synthesized products, derivatives of Barbiture acid, large range of various substances
Effect:	calming Pain relieving Substances with short lasting effect (e.g. Secobarbital) Substances with long lasting effect (e.g. Phenobarbital)
Intake:	Oral, Rectal, IV, IM
Elimination:	Urine: short lasting substances as metabolites long lasting substances unchanged
INTEX-Advice:	Preferred substances are short lasting Barbiturates, incl. Seco- and Pentobarbital

CHARACTERISTICS BARBITURATES

Duration of effect:	3 – 24 hours		
Radioactive half-life:	24 – 144 hours		
Proof possibility:	3 days to more than 3 weeks		
Detection limit:	300 ng/ml (NIDA)		
Specificity:	The following, structurally related substances result in a positive result, if they are tested at values, as high or higher than those in the following listed concentrations:		
Substance	Concentration (ng/ml)	Substance	Concentration (ng/ml)
Allobarbital	1000	Butabarbital	300
Alphenal	300	Butalbital	2000
Amobarbital	1000	Butethal	300
Aprobarbital	300	Pentobarbital	300
Barbital	300	Phenobarbital	300

The following substances did not result in cross reactions up to concentrations of 100 µg/ml in the test.

Acetaminophen	4-Dimethylaminoantipyrin	Methadone	Pheniramine
Acetone	Dopamine	Methamphetamine	Phenothiazin
Albumin	Doxylamin	Methaqualone	L-Phenylephrine
Amitriptylin	Ecgonine	(1R,2S)-(-)-N-Methyl-Ephedrine	β-Phenylethylamine
D-Amphetamine	Ecgoninmethylester	Methylphenidat	Procaine
L-Amphetamine	(±)-Ephedrine	Morphine	Promathezine
Ampicillin	(+)-Epinephrine	Naloxone	d-Propoxyphen
Aspartame	Erythromycine	Naltrexone	Quinidine
Aspirin	Ethanol	(+)-Naproxen	Ranitidin
Atropine	Furosemid	Sodium chloride	Sulindac
Benzocaine	Glucose	11-nor-Δ ⁹ -Tetrahydrocannabinol-9-carbon acid	Thioridazin
Benzoyllecgonine	Guaiacol Glyceryl Ether	(±)-Norephedrin	Trifluoperazin
Bilirubin	Hemoglobin	Nortriptylin	Trimethobenzamid
(+)-Brompheniramine	Hydrocodon	Oxalic Acid	Tyramin
Chloroquine	Hydromaphon	Oxazepam	Vitamin C
(±)-Chlorpheniramine	Imipramin	Oxycodon	
Chlorpromazine	(±)-Isoproterenol	Penicillin-G	
Codeine	Caffeine	Pentermin	
Creatine	Cocaine	Phencyclidine	
(-)-Deoxyephedrin	Lidocaine		
Dextromethorphan	Meperidine		
Diazepam			

