

Leistungsverzeichnis Institut für Rechtsmedizin: Toxikologie/Alkoholologie (Norm DIN EN ISO 17025-2018)

Stand 25.08.2023

Suchanalysen		Prüftechnik
Suchanalyse ("general unknown"-screening)	Urin, Serum, Blut, Mageninhalt, Gewebeproben	GC-MS
Suchanalyse ("general unknown"-screening) Wirkstoffe und Metaboliten	Urin, Blut, Serum	LC-MSn
Analyt (Messgröße)	Prüfgegenstände (Matrix)	Prüftechnik
Alfentanil	Serum	LC-MS/MS
Alprazolam, OH-Alprazolam	Haare, Urin, Serum	LC-MS/MS
Amisulprid	Serum	LC-MS/MS
Amitriptylin	Serum	HPLC-DAD
Amphetamin	Haare, Urin, Serum	LC-MS/MS
R/S Amphetamin, Enantiomerentrennung	Serum	LC-MS/MS
Atomoxetin (qualitativ)	Serum	LC-MS/MS
Benzoyllecgonin	Haare, Urin, Serum	LC-MS/MS
Bromazepam, OH-Bromazepam	Haare, Urin, Serum	LC-MS/MS
Brotizolam	Serum	LC-MS/MS
Buprenorphin, Norbuprenorphin	Haare, Urin, Serum	LC-MS/MS
Bupropion (qualitativ)	Serum	LC-MS/MS
Busulfan	Serum	GC-MS
Cannabidiol (CBD)	Haare, Serum	LC-MS/MS
Cannabinol (CBN)	Haare, Serum	LC-MS/MS
Carbohydrate-deficient Transferrin (CDT)	Serum	HPLC
Ceftazidim	Serum	HPLC-DAD
Chlordiazepoxid	Serum	LC-MS/MS
Citalopram	Serum	LC-MS/MS
Chlorprothixen	Serum	LC-MS/MS
Clobazam, Desmethyl-Clobazam	Serum	LC-MS/MS
Clomipramin, Norclomipramin	Serum	HPLC-DAD
Clonazepam, 7-Amino-Clonazepam	Serum	LC-MS/MS
Clonidin	Serum	LC-MS/MS
Clozapin, Norclozapin	Serum	LC-MS/MS
Cocain	Haare, Urin, Serum	LC-MS/MS
Cocaethylen, Norcocain	Serum	LC-MS/MS
Codein	Haare, Urin, Serum	LC-MS/MS
Demoxepam	Serum	LC-MS/MS
Desipramin	Serum	HPLC-DAD
Dextrometorphan (qualitativ)	Serum	LC-MS/MS
Diazepam	Haare, Urin, Serum	LC-MS/MS
Dihydrocodein	Haare, Urin, Serum	LC-MS/MS
Diphenhydramin (qualitativ)	Serum	LC-MS/MS
Doxepin, Nordoxepin	Serum	HPLC-DAD
Doxylamin (qualitativ)	Serum	LC-MS/MS
Duloxetin	Serum	LC-MS/MS
Ecgoninmethylester	Serum	LC-MS/MS
EDDP	Haare, Urin, Serum	LC-MS/MS
Estazolam	Serum	LC-MS/MS
Ethylglucuronid (EtG)	Urin, Haare	LC-MS/MS
Fentanyl, Norfentanyl	Urin, Serum	LC-MS/MS

	Serum (niedriger Messbereich)	LC-MS/MS
Flunitrazepam, 7-Aminoflunitrazepam	Haare, Urin, Serum	LC-MS/MS
Flurazepam, Desalkylflurazepam	Serum	LC-MS/MS
GHB	Serum, Urin	GC/MS
Haloperidol	Serum	LC-MS/MS
Hydrocodon	Serum	LC-MS/MS
Hydromorphon	Serum	LC-MS/MS
Imipramin	Serum	HPLC-DAD
Levetiracetam	Serum	GC-MS/MS
Levomepromazin	Serum	LC-MS/MS
Linezolid	Serum	HPLC-DAD
Lorazepam	Haare, Urin, Serum	LC-MS/MS
Lormetazepam	Serum	LC-MS/MS
Maprotilin	Serum	HPLC-DAD
MBDB (qualitativ)	Haare, Urin, Serum	LC-MS/MS
MDA	Haare, Urin, Serum	LC-MS/MS
MDEA	Haare, Urin, Serum	LC-MS/MS
MDMA	Haare, Urin, Serum	LC-MS/MS
Medazepam	Serum	LC-MS/MS
Melperon	Serum	LC-MS/MS
Meropenem	Serum	HPLC-DAD
Methylphenidat (qualitativ)	Serum	LC-MS/MS
Midazolam, Alpha OH- Midazolam	Serum	LC-MS/MS
Methamphetamin	Haare, Urin, Serum	LC-MS/MS
Methadon	Haare, Urin, Serum	LC-MS/MS
Midazolam	Serum	LC-MS/MS
Mirtazapin	Serum	LC-MS/MS
Monoacetylmorphin	Haare, Urin, Serum	LC-MS/MS
Morphin	Haare, Urin, Serum	LC-MS/MS
Nitrazepam, 7-Amino-Nitrazepam	Serum	LC-MS/MS
Nortriptylin	Serum	HPLC-DAD
Nordazepam	Haare, Urin, Serum	LC-MS/MS
Olanzapin	Serum	LC-MS/MS
Opipramol	Serum	LC-MS/MS
Oxazepam	Haare, Urin, Serum	LC-MS/MS
Oxycodon	Serum	LC-MS/MS
Oxymorphon	Serum	LC-MS/MS
Paracetamol	Serum	HPLC-DAD
Paroxetin	Serum	LC-MS/MS
Perazin	Serum	LC-MS/MS
Phosphatidylethanol (Peth)	EDTA-Blut, Bloodspots	LC-MS/MS
Phenazepam	Serum	LC-MS/MS
Pipamperon	Serum	LC-MS/MS
Piperacillin	Serum	HOLC-DAD
Piritramid	Serum	LC-MS/MS
	Serum (niedriger Messbereich)	LC-MS/MS
Prazepam	Serum	LC-MS/MS
Promethazin	Serum	LC-MS/MS
Prothipendyl	Serum	LC-MS/MS
Quetiapin	Serum	LC-MS/MS
Risperidon	Serum	LC-MS/MS
Ritalinsäure (qualitativ)	Serum	LC-MS/MS
Salicylsäure	Serum	HPLC-DAD
Sertralin	Serum	LC-MS/MS
Sufentanil	Serum	LC-MS/MS

	Serum (niedriger Messbereich)	LC-MS/MS
Sulpirid	Serum	LC-MS/MS
Tapentadol, N-Desmethyl-Tapentadol	Serum	LC-MS/MS
Temazepam	Serum	LC-MS/MS
Tetrahydrocannabinol (THC)	Haare, Serum	LC-MS/MS
Hydroxy-THC	Serum	LC-MS/MS
THC-Carbonsäure	Urin	GC-MS
THC-Carbonsäure	Serum	LC-MS/MS
Tetrazepam	Serum	LC-MS/MS
Tilidin, Nor-Tilidin	Urin, Serum	LC-MS/MS
Tramadol, O-Desmethyl-Tramadol	Urin, Serum	LC-MS/MS
Trimipramin	Serum	HPLC-DAD
Venlafaxin	Serum	LC-MS/MS
Zaleplon	Serum	LC-MS/MS
Ziprasidon	Serum	LC-MS/MS
Zolpidem	Serum	LC-MS/MS
Zopiclon	Serum	LC-MS/MS

Immunchemie (EIA), enzymatische, photometrische Verfahren

Analyt (Messgröße)	Prüfgegenstände (Matrix)	Prüftechnik
Amphetamin, Methamphetamin, MDMA	Urin, Serum	EIA
Barbiturate	Urin, Serum	EIA
Benzodiazepine	Urin, Serum	EIA
Cocain, Benzoylcgonin	Urin, Serum	EIA
Ethylglucuronid	Urin	EIA
Methadon	Urin, Serum	EIA
Opiate	Urin, Serum	EIA
Cannabinoide	Urin, Serum	EIA
Oxycodon	Urin, Serum	EIA
tricycl. Antidepressiva	Urin, Serum	EIA
CO-Hb	Blut	Photometrie
Creatinin	Urin	Photometrie, enzymatisch
GHB	Serum, Urin	Photometrie, enzymatisch
Ethanol	Serum, Urin	Photometrie, enzymatisch

Forensische Alkohologie

Analyt (Messgröße)	Prüfgegenstände (Matrix)	Prüftechnik
Ethanol	Serum, Urin	HS-GC
1-Butanol	Serum	HS-GC
2-Butanol	Serum	HS-GC
2-Butanon	Serum	HS-GC
1-Propanol	Serum	HS-GC
2 und 3- Methylbutanol	Serum	HS-GC
Isobutanol	Serum	HS-GC
Methanol	Serum	HS-GC

Analyt (Messgröße)	Prüfgegenstände (Matrix)	Prüftechnik
Ethanol	Serum, Urin	enzymatisch mit ADH

Verwendete Abkürzungen:

ADH	Alkoholdehydrogenase
CBD	Cannabidiol
CBN	Cannabinol
DAD	Diodenarray-Detektor
DIN	Deutsches Institut für Normung e.V.
DNA	Deoxyribonucleic acid
EN	Europäische Norm
EIA	enzymatischen Immunadsorptionsverfahren
GC	Gaschromatographie
GHB	γ -Hydroxybuttersäure
HPLC	High performance liquid chromatography
HS	Headspace
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
LC	Liquid chromatography
MDA	3,4-Methylenedioxyamphetamin
MDEA	3,4-Methylenedioxy-N-ethylamphetamin
MDMA	3,4-Methylenedioxy-N-methylamphetamin
MS	Massenspektroskopie
MBDB	2-Methylamino-1-(3,4-methylenedioxyphenyl)butan
PCR	polymerase chain reaction
PSA	prostataspezifisches Antigen
STR	Short tandem repeats
THC	Δ^9 -Tetrahydrocannabinol
THC-COOH	1-Nor-9-carboxy- Δ^9 -Tetrahydrocannabinol
THC-OH	11-Hydroxy- Δ^9 -Tetrahydrocannabinol