

Metodeoversikt - farmakologi (M04)

Prøvemateriale (objekt)	Analyse (parameter)	Instrument	Måleprinsipp (metode)	Metode ID	Måleområde (ufortynnet)	Analytisk variasjon ¹⁾ (%)	Måle-usikkerhet ²⁾ (% _{k=2})	Akkreditert analyse (A)
EDTA-blod	Ciclosporin	Agilent	Væskeskromatografi UHPLC-MS/MS	D40396	20,9-1713 µg/L	6,0	12,2	A
EDTA-blod	Everolimus	Agilent	Væskeskromatografi UHPLC-MS/MS	D40396	1,14-43,8 µg/L	6,0	12,2	
EDTA-plasma	Mykofenolat	Agilent	Væskeskromatografi UHPLC-MS/MS	D40396	0,37-15 mg/L	6,0	12,2	A
EDTA-blod	Takrolimus	Agilent	Væskeskromatografi UHPLC-MS/MS	D40396	1,18-60,9 µg/L	6,0	12,2	A
EDTA-blod	6-TGN	Agilent	Væskeskromatografi UHPLC-MS/MS	D51445	0,30-15 µmol/L	8,0	16,2	
EDTA-blod	6-MMP	Agilent	Væskeskromatografi UHPLC-MS/MS	D51445	0,30-60 µmol/L	8,0	16,2	
Serum	Ethylalkohol (etanol)	Architect c16000	Alkoholdehydrogenase	D45182	0,1 – 6,0 g/L	5,0	10,2	A
Blod	Fosfatidyletanol (PEth)	Agilent	Væskeskromatografi UHPLC-MS/MS	D43743	0,02-10 µmol/L	10,0	20,1	A
Serum/plasma	Benzodiazepiner	Architect c16000	Enzymatisk immunkjemisk	D45182	10 – 100 ng/mL	10,0	20,1	
Serum	Fenytoin	Architect c16000	Enzymatisk immunkjemisk	D45182	7,1 – 158,4 µmol/l	10,0	20,1	A
Serum	Teofyllin	Architect c16000	Enzymatisk immunkjemisk	D45182	11,1 – 222 µmol/L	10,0	20,1	A
Serum	Paracetamol	Architect c16000	Enzymatisk/kolorimetrisk	D45182	20,0 – 2496 µmol/L	6,0 / 3,0	12,2	A
Serum	Litium	Architect c16000	Kolometrisk endepunkt	D45182	0,01-0,17 mmol/L	4,0 / 3,0	8,5	A
Serum	Fenobarbital (fenemal)	Architect c16000	PETINIA	D45182	8,6 – 344,8 µmol/l	7,0	14,1	A
Serum/plasma	Gentamicin	Architect c16000	PETINIA	D45182	0,5 – 10,0 µg/ml	7,5	15,5	A
Serum	Karbamazepin	Architect c16000	PETINIA	D45182	7,9 – 84,6 µmol/L	10,0	20,1	A
Serum	Valproat	Architect c16000	PETINIA	D45182	86,6 – 1039,5 µmol/L	6,0	12,2	A
Serum/plasma	Vankomycin	Architect c16000	PETINIA	D45182	1,1 – 100 mg/L	6,0	12,7	A
Serum/plasma	Digoksin	Architect i2000SR	CMIA	D46312	0,13-5,12 nmol/L	9,0 / 6,0	20,8	A

¹⁾ **Analytisk variasjon (CV_a %)** er forventet analytisk variasjon (tilfeldig variasjon under analysering og variasjon mellom instrumentene) basert på daglig analysering av internt kontrollmateriale over tid. Disse tallene gjelder for analysene slik de er analysert i vårt laboratorium, og oppdateres årlig.

²⁾ **Beregnet måleusikkerhet (%)** dekker usikkerheten i flere elementer i måleprosessen: Preanalytisk usikkerhet (prøvetaking, prøveopparbeiding etc), kalibratorusikkerhet, tillatt analytisk variasjon (CV_{styr}, den CV laboratoriets kontrollregler er basert på), og korreksjon av eventuelle systematiske feil. Måleusikkerheten beregnes som 95 % konfidensintervall, dvs multipliseres med 2 (dekningsfaktor k=2). Det betyr at det er 95 % sannsynlighet for at sann verdi ligger innenfor dette intervallet (måleresultat ± måleusikkerhet).

Rusmiddelanalyser

Prøvemateriale (objekt)	Analyse (parameter)	Måleprinsipp (metode)	Metode ID	Analytisk variasjon (CV _a %)	Påvisningsgrense (cutoff)	Måleområde	A= Akkreditert analyse
Urin	3- OH Fenazepam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	6-Monoacetylmorfin (6-MAM)	LC-MS/MS	D42669	15,0	10 ng/ml	5-40 ng/ml	A
Urin	7-Aminoflunitrazepam	LC-MS/MS	D42669	15,0	25 ng/ml	13-100 ng/ml	A
Urin	7-Aminoklonazepam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	7-Aminonitrazepam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Alpha-hydroxyalprazolam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Alpha-hydroxymidazolam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Amfetamin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Benzodioksolybutanamin (BDB)	LC-MS/MS	D42669	15,0	300 ng/ml	150-1200 ng/ml	A
Urin	Benzoylcegonine	LC-MS/MS	D42669	15,0	50 ng/ml	13-100 ng/ml	A
Urin	Bromazepam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Buprenorfin	LC-MS/MS	D42669	15,0	5 ng/ml	2,5-20 ng/ml	A
Urin	Cathionin (Khat)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Dekstropropoksyfen	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Delorazepam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Diazepam	LC-MS/MS	D42669	15,0	25 ng/ml	13-100 ng/ml	A
Urin	Dihydrokodein	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Diklazepam	LC-MS/MS	D42669	25,0	50 ng/ml	25-200 ng/ml	A
Urin	EDDP metadonmetabolitt	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Efedrin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Etanol	Architect c16000	D45182	5,0	0,2 promille	0,1- 6,0 promille	A
Urin	Ethylmorfin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Ethylsulfat	LC-MS/MS	D46287	15,0	250ng/ml	125-1000ng/ml	A
Urin	Etizolam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Etylglukuronid	LC-MS/MS	D46287	15,0	500 ng/ml	250-2000 ng/ml	A
Urin	Fentanyl	LC-MS/MS	D42669	15,0	10 ng/ml	5-40 ng/ml	A
Urin	Folkodin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	GHB	LC-MS/MS	D46287	15,0	10 ng/ml	5-40 ng/ml	A
Urin	Hydrocodon	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Hydromorfon	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Ketamin	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Klonazolam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Kodein	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A

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Urin	Lorazepam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	Lormetazepam	LC-MS/MS	D42669	15,0	50 ng/ml	25-200 ng/ml	A
Urin	LSD	LC-MS/MS	D42669	15,0	5 ng/ml	2,5-20,0 ng/ml	A
Urin	Metadon	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Metamfetamin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Metylbenzodioksolybutanamin (MBDB)	LC-MS/MS	D42669	15,0	300 ng/ml	150-1200 ng/ml	A
Urin	Metylendioksyamfetamin (MDA)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Metylendioksyetylamfetamin (MDEA)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Metylendioksymetamfetamin (MDMA, Ecstasy)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Morfin	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	N-desmetyl diazepam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Norbuprenorfin	LC-MS/MS	D42669	20,0	5 ng/ml	2,5-20 ng/ml	A
Urin	Norefedrin (Fenylpropanolamin)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Oksazepam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Oksycodon	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Parametoksyamfetamin (PMA)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Parametoksymetamfetamin (PMMA)	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Pregabalin	LC-MS/MS	D46287	15,0	500 ng/ml	250-2000 ng/ml	A
Urin	Ritalin syre (Metylfenidat)	LC-MS/MS	D42669	15,0	300 ng/ml	150-1200 ng/ml	A
Urin	Temazepam	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Tetrahydrocannabinolsyre (THC-COOH)	LC-MS/MS	D42669	15,0	25 ng/ml	13-500 ng/ml	A
Urin	Tramadol	LC-MS/MS	D42669	15,0	100 ng/ml	50-400 ng/ml	A
Urin	Zolpidem	LC-MS/MS	D42669	15,0	25 ng/ml	12,5-100 ng/ml	A
Urin	Zopiclone	LC-MS/MS	D42669	15,0	25 ng/ml	13-100 ng/ml	A
Urin	Testosteron	LC-MS/MS	D43444	15,0	4,5 nmol/L	4,5-346 nmol/L	
Urin	Epitestosteron	LC-MS/MS	D43444	15,0	4,5 nmol/L	4,5-346 nmol/L	
Urin	Boldenon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Dihydroboldenon	LC-MS/MS	D43444	15,0	30 ng/ml	15-300 ng/ml	
Urin	Dehydroklormetyltestosteron	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Drostanolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	2-Alfametylandrosteron	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Metandrostenolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Epimetendiol	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Mesterolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	1-Alfametylandrosteron	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	

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Urin	Metenolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	1-Metylenandrosteron	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Nandrolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	19-Norandrosteron	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	19-NE	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Oksandrolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Epioksandrolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Oksymesteron	LC-MS/MS	D43444	30,0	10 ng/ml	5-100 ng/ml	
Urin	Oksymetolon	LC-MS/MS	D43444	20,0	10 ng/ml	5-100 ng/ml	
Urin	BA-2664	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Stanozolol	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	3-Hydroksystanozolol	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Trenbolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Alfatrenbolon	LC-MS/MS	D43444	15,0	10 ng/ml	5-100 ng/ml	
Urin	Deksamfetamin	LC-MS/MS	D48179	10,0	50 ng/ml	50 - 10 000 ng/ml	A
Urin	Levoamfetamin	LC-MS/MS	D48179	10,0	50 ng/ml	50 - 10 000 ng/ml	A

Slutt på Skjema