

Akrediteringens omfattning

Komponent/Undersökning	System	Metod/Mätprincip	Utrustning	Enhet	Lab/Ort
Dopinglaboratoriet					
ABP, Athlete Biological Passport Erythrocyter partikelkoncentration (B-EPK) Erythrocyter medelvolym (Erc(B)-MCV) Erythrocyter, volymfraktion (B-EVF) Hemoglobin (B-Hb) Hemoglobin massa (Erc(B)-MCH) Hemoglobinmassakoncentration (Erc (B)-MCHC) Leukocyter partikelkoncentration (B-LPK) Trombocyter partikelkoncentration (B-TPK) Retikulocytprocent (RET%) (Sysmex), endast idrottsprover Storleksvariation av röda blodkroppar (RDW-SD) (Sysmex), endast idrottsprover Fraktion av omogna retikulocyter (IRF) (Sysmex), endast idrottsprover	Blod	Flödescytometri med fluorescense Impedans	Sysmex XN1000	10 ¹² /L fL % g/dL pg g/dL 10 ⁹ /L 10 ⁹ /L % fL %	Huddinge
Ephedrines Ephedrine Methylephedrine Cathine Pseudoephedrine	Urin	LC-HRMS	Thermo Q-Exactive,	µg/mL	Huddinge
Erythropoietin	Urin, plasma, serum	SAR PAGE + blott	Elektrofores och BioRad kamera		Huddinge

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Erythropoietin	Urin, plasma, serum	Dubbel blott	Nova BlotTE77 PWR BlotCycler och Bio-Rad Transfer		Huddinge
Formoterol	Urin	LC-HRMS	Thermo Q- Exactive,	ng/mL	Huddinge
GC-C-IRMS - Determination of testosterone related compounds origin	Urin	LC/GC-C-IRMS	Agilent LC 1260 Thermo Dionex UltiMate 3000, Thermo Delta V Plus	Delta C13 ‰ *	Huddinge
GC-MS/MS screening Endogena och exogena steroider, β 2 agonister	Urin	GC-MS/MS	Agilent G7000C	ng/mL	Huddinge
GC-MS/MS, konfirmering	Urin	GC-MS/MS	Agilent G7000C	ng/mL	Huddinge
GC-MS/MS, konfirmering, Steroid profil	Urin	GC-MS/MS	Agilent G7000C	ng/mL	Huddinge
GH Screening Rekombinerat och hypofysiärt tillväxthormon	Serum	Differential Immunolimino- metrisk metod	Autolumat	ng/mL	Huddinge
GH Konfirmering Rekombinerat och hypofysiärt tillväxthormon	Serum	Differential Immunolimino- metrisk metod	Autolumat	ng/mL	Huddinge
hGH biomarkör	Serum	Radioactive Immouno-Assay	PerkinElmer wizard2		Huddinge
Humant Koriongonadotropin (hCG)	Urin	Enzym- immunoassay med fluorescens- detektering (ELFA).	Vidas 3	mIU/mL	Huddinge

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Konfirmering av dopingklassade medel, LC-HRMS	Urin	LC-HRMS	Thermo Q-Exactive,	ng/mL	Huddinge
Meldonium, konfirmering	Urin	LC-MS/MS	Thermo Q-Exactive,	µg/mL	Huddinge
Morfin	Urin	LC-MS/MS	Thermo Q-Exactive,	ng/mL	Huddinge
19-Norandrosteron	Urin	GC-MS/MS	Agilent G7000C	ng/mL	Huddinge
pH	Urin	Elektrod	Rudolph refraktometer Mettler Toledo pH-meter		Huddinge
Salbutamol	Urin	LC-HRMS	Thermo Q-Exactive,	ng/mL	Huddinge
Screening av dopingklassade medel, LC-HRMS	Urin	LC-HRMS	Thermo Q-Exactive,	ng/mL	Huddinge
Screening av förbjudna peptider	Urin	LC-HRMS	Thermo Q-Exactive,	ng/mL	Huddinge
Specifik vikt	Urin	Turbidimetri	Rudolph refraktometer ATEGO SG mätare		Huddinge
THC-konfirmering	Urin	GC-MS/MS	Agilent G7000C	ng/mL	Huddinge
* Lista med ingående substanser, bilaga L till resp. metodbeskrivning samt mätosäkerhet finns dokumenterad på laboratoriet					

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Farmakologiska laboratoriet, Läkemedel					
Aciklovir CMMG Ganciklovir	Serum	LC-MS/MS	Waters TQS Micro	µmol/L	Huddinge
Amikacin	Serum	QMS immunoassay	Indiko	µg/mL	Huddinge
Antibio Linezolid Meropenem Piperacillin	Plasma/ Serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	µg/mL	Huddinge
Antiepi I 10,11-dihydro-10-hydroxy-carbamazepin Gabapentin Lacosamid Perampanel Pregabalin Rufinamid Zonisamid	Plasma/ serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	µmol/L	Huddinge
Antikoagulantia Dabigatran Rivaroxaban	Plasma/ serum	LC-MS/MS	Waters TQS Micro	µg/mL	Huddinge
Azol Flukonazol Isavukonazol Itrakonazol OH-Itrakonazol Posakonazol Vorikonazol	Plasma/ serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	µg/mL	Huddinge

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Bensodiazepiner i serum Alprazolam Diazepam Klonazepam Lorazepam Midazolam Nitrazepam Nordiazepam Oxazepam Temazepam	Plasma/ Serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	nmol/L	Huddinge
CYP2D6genotypning (*3) (*4) (*10) (*17) (*41)	DNA	PCR alleldiskrimination	StepOne Plus	-	Huddinge
CYP2D6 Copy number analys	DNA	PCR	StepOne Plus	-	Huddinge
CYP2C9genotypning (*2) (*3)	DNA	PCR alleldiskrimination	StepOne Plus	-	Huddinge
CYP2C19genotypning (*2) (*3)	DNA	PCR alleldiskrimination	StepOne Plus	-	Huddinge
CYP3A5genotypning (*3)	DNA	PCR alleldiskrimination	StepOne Plus	-	Huddinge
Digoxin	Plasma/ serum	Immunokemisk DRI-metodik	Indiko Plus	nmol/L	Huddinge
DPYD-genotypning	DNA	PCR alleldiskrimination	StepOne Plus	-	Huddinge

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Komponent/Undersökning	System	Metod/Mätprincip	Utrustning	Enhet	Lab/Ort
Etambutol	Plasma/ serum	LC-MS/MS	Waters TQS Micro	µg/mL	Huddinge
Fenobarbital	Plasma/ Serum	Immunokemisk Cedia-metodik	Indiko Plus	µmol/L	Huddinge
Fenytoin	Plasma/ Serum	Immunokemisk Cedia-metodik	Indiko Plus	µmol/L	Huddinge
FVMACK Amitriptylin ..Nortriptylin Citalopram Desmetylcitalopram Fluoxetin Desmetylfluoxetin Klomipramin Desmetylkломipramin Metadon	Plasma/ Serum	LC-MS/MS	Thermo TS Quantiva/ Quantis	µmol/L	Huddinge
Gentamicin	Serum	QMS immunoassay	Indiko Plus	µg/mL	Huddinge
HZRS Haloperidol Zuklopentixol Risperidon Hydroxyrisperidon Sertralin Norsertalin	Plasma/ serum	LC-MS/MS	Thermo TSQ Quantis/ Quantiva	nmol/L	Huddinge
Imatinib	Plasma/ serum	LCMS/MS	Waters TQS Micro	ng/mL	Huddinge
Immunosuppressiva i helblod Ciklosporin Everolimus Sirolimus Takrolimus	Blod	LC-MS/MS	Thermo TSQ Quantum Ultra	ng/mL	Huddinge

Ackrediteringens omfattning

Komponent/Undersökning	System	Metod/Mätprincip	Utrustning	Enhet	Lab/Ort
Karbamazepin	Plasma/ Serum	Immunokemisk Cedia-metodik	Indiko Plus	µmol/L	Huddinge
Klozapin, Quetiapin och Venlafaxin Klozapin Desmetylklozapin Quetiapin Venlafaxin Desmetylvenlafaxin	Plasma/ serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	nmol/L	Huddinge
Lamotrigin	Plasma/ Serum	QMS immunoassay	Indiko Plus	µmol/L	Huddinge
Levetiracetam	Plasma/ serum	EIA, spektrofotometri	Indiko Plus	µmol/L	Huddinge
MAT Metylfenidat Ritalinsyra Atomoxetin 4-OH-atomoxetin	Plasma/ Serum	LC-MS/MS	Waters TQS Micro	ng/mL	Huddinge
Mykofenolsyra	Plasma/ serum	LC-MS/MS	Waters TQS Micro	µmol/L	Huddinge
OMPA Olanzapin .. Mirtazapin Desmetylmirtazapin Paroxetin Aripiprazol Dehydroaripirazol	Plasma/ Serum	LC-MS/MS	Waters TQS Micro	nmol/L	Huddinge
Perfenazin	Plasma/ serum	LC-MS/MS	Thermo TSQ Quantiva/ Quantis	nmol/L	Huddinge
PIRR Pyrazinamid Isoniazid	Plasma/ serum		Waters TQS Micro	µg/mL	Huddinge

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Komponent/Undersökning	System	Metod/Mätprincip	Utrustning	Enhet	Lab/Ort
Acetylisoniazid Rifampicin Rifabutin					
Ribavirin	Plasma/ serum	LC-MS/MS	Waters TQS Micro	µg/mL	Huddinge
Teofyllin	Plasma/ serum	Immunokemisk Cedia-metodik	Indiko Plus	µmol/L	Huddinge
Teikoplanin	Serum	QMS immunoassay	Indiko Plus	µg/mL	Huddinge
Tobramycin cv från 10-16	Serum	QMS immunoassay	Indiko Plus	µg/mL	Huddinge
Topiramet	Plasma/ serum	QMS immunoassay	Indiko Plus	µmol/L	Huddinge
TPMT-genotypning	Blod	PCR alleldiskrimination	StepOne Plus		Huddinge
Valproat	Plasma/ serum	Immunokemisk Cedia-metodik	Indiko Plus	µmol/L	Huddinge
Vankomycin	Serum	QMS immunoassay	Indiko Plus	µg/mL	Huddinge

*** Aktuell mätosäkerhet finns dokumenterad på laboratoriet

Farmakologiska laboratoriet, Missbruk, Screening

Amfetamin **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge
Anabola Androgena Steroider utanför idrott **	Urin	GC-MS/MS	Agilent G7000C	µg/L	Huddinge
Bensodiazepiner **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge

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Cannabis **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge
Barbiturater **	Urin	CEDIA	Olympus AU 680	µg/L	Huddinge
Bensodiazepiner **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Buprenorfin **	Urin	CEDIA	Olympus AU 680 DxC 700 AU	µg/L	Huddinge
Centralstim. Aminer **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Dextropropoxifen **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Etylglukuronid **	Urin	EIA	Olympus AU 680/ DxC 700 AU	mg/L	Huddinge
Fencyklidin **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Fosfatidyletanol (PEth) 16:0/18:1	Blod	LC-MSMS	Waters Xevo TQS	µmol/L	Huddinge
GHB **	Urin	Enzymatisk	Olympus AU 680/ DxC 700 AU	mg/L	Huddinge
Internetdroger MDPV Nafyron PVP	Urin	LC-HRMS	Thermo Q- Exactiv,	µg/L	Huddinge

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Kannabis **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Kokainmetabolit **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge
Kokainmetabolit **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Kreatinin **	Urin	Fotometrisk	Olympus AU680/ DxC 700 AU	mmol/L	Huddinge
LSD **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Läkemedel och växtdroger, screening** Atropin Hydrokodon Hydromorfon	Urin	LC-HRMS	Thermo Q-Exactive,	µg/L	Huddinge
Metadon **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Metamfetamin **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge
Morfin **	Saliv	EIA	DxC 700 AU/ Olympus AU 680	µg/L	Huddinge
Opiater **	Urin	CEDIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge

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Oxikodon **	Urin	EIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Spice-metaboliter **	Urin	EIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Stor Drogtestscreening i saliv, Greiner, **	Saliv	LC-HRMS	Thermo Q-Exactive,	µg/L	Huddinge
Tramadol **	Saliv	EIA	Olympus AU 680/ DxC 700 AU	µg/L	Huddinge
Tramadol **	Urin	EIA	Olympus AU 680/	µg/L	Huddinge
Utökad drogtest (UDS) screening i saliv **	Saliv	LC-HRMS	Thermo Q-Exactive,	µg/L	Huddinge

Farmakologiska laboratoriet, Missbruk, Verifiering

Anabola Androgena Steroider utanför idrott **	Urin	GC-MS/MS	Agilent G7000C	µg/L	Huddinge
Bensodiazepiner ** 7-Aminoflunitrazepam 7-Aminonitrazepam 7-Aminoklonazepam 4-Hydroxyalprazolam 4-Hydroxymidazolam 4-Hydroxytriazolam Desmetyldiazepam Lorazepam Oxazepam	Urin	LC-MS/MS	Waters TQS Micro	µg/L	Huddinge

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Temazepam					
Buprenorfin **	Urin	LC MS/MS	Waters TQS Micro	µg/L	Huddinge
Centralstimulerande aminer ** Amfetamin MDA MDMA Metamfetamin	Urin	LC MS/MS	Waters TQS Micro	µg/L	Huddinge
Etylglukuronid ** Etylsulfat	Urin	LC-MS/MS	Waters TQS Micro	mg/L	Huddinge
Internetdroger/missbruksläkemedel/växtdroger, verifiering** Atropin Hydrokodon Hydromorfon Zolpidem	Urin	LC-HRMS	Thermo Q- Exactive,	µg/L	Huddinge
Kokainmetabolit **	Urin	LC-MS/MS	Waters TQS Micro	µg/L	Huddinge
Opiatalkaloider ** Etylmorfin-6-glukuronid Kodein-6-glukuronid Morfin-3-glukuronid 6-MAM	Urin	LC-MS/MS	Waters TQS Micro	µg/L	Huddinge
Saliv, verifiering av droger ** 6-MAM Amfetamin Metamfetamin Bensoylekgonin Kokain Diazepam Morfin	Saliv	LC-MS/MS	Thermo TSQ Quantiva	µg/L	Huddinge

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Kodein Oxazepam THC					
Stor Drogtestverifiering i saliv, Greiner,**	Saliv	LC-MS/MS	Thermo TSQ Quantiva	µg/L	Huddinge
Tetrahydrocannabinol COOH **	Urin	LC-MS/MS	Waters TQS Micro	µg/L	Huddinge
Utökad drogtest (UDS) verifiering i saliv **	Saliv	LC-MS/MS	Thermo TSQ Quantiva	µg/L	Huddinge
Övriga opioider, verifiering** Dextropropoxyfen Metadon Oxykodon Tramadol	Urin	LC-HRMS	Thermo Q- Exactive,	µg/L	Huddinge
* Lista med ingående substanser finns i metodbeskrivning samt mätosäkerhet finns dokumenterad på laboratoriet					
** Analys kan förekomma inom Drogester i arbetslivet					