

Status of Specific Methods

List class	Targets (examples)	Matrix (sample type)	Mandatory by all Laboratories	Applied to all samples	Analysis in ADAMS
Exogenous Anabolic Androgenic Steroids (AAS) (S1.1)	Exogenous AAS in S1.1	capillary blood ³	No	No - upon Testing Authority (TA) request	OTHER (add a note)
Steroid esters (S1.1)	Testosterone (T), nandrolone, boldenone	urine serum ¹ plasma ² capillary blood ³	No	No - upon Testing Authority (TA) request	OTHER (add a note)
GC/C/IRMS	Markers urinary steroid profile (S1.1): • Testosterone (T), • Epitestosterone (E), • Androsterone (A), • Etiocholanolone (Etiol), • 5 α -Androstane-3 α ,17 β -diol (5 α Adiol), • 5 β -Androstane-3 α ,17 β -diol (5 β Adiol)	urine	Yes	Yes (if needed as a confirmation test or if requested by TA/RMA/APMU/WADA)	GC/C/IRMS
	Epiandrosterone (EpiA) (S1.1)	urine	No	May be used as an additional target compound (in the sulfoconjugated fraction) to determine the administration of testosterone or its precursors	
	19-NA, 19-NE (S1.1), Boldenone & Boldenone Metabolites (S1.1), Formestane (S4.1), 6 α -hydroxy-androstenedione (S1.1)	urine	Yes (presence) No (IRMS confirmation)	Presence tested for in all samples, but if GC/C/IRMS confirmation needed, subcontract to another laboratory if no capacity	N/A OTHER (add a note)
Blood Markers of the Steroidal Module of ABP (S1.1)	• Testosterone (T), • Androstenedione (Androst-4-ene-3,17-dione, A4) (S1.1)	serum ¹	No	No - upon TA request after collection of blood samples in serum tubes for analysis of blood steroidal Markers of the ABP	Steroidal Blood Profile
Other Anabolic Agents (S1.2)	SARMs	capillary blood ³	No	No - upon Testing Authority (TA) request	OTHER (add a note)
ERAs (S2.1.1)	recEPO, dEPO, CERA, EPO-Fc	urine	Yes	No - upon TA request	ERAs
		serum ¹ plasma ² capillary blood ³	No		
HIF activating agents (S2.1.2)	Daprodustat, Desidustat, Enarodustat, FG-2216, IOX2, IOX4 Molidustat, Roxadustat, Vadadustat	urine	Yes	Yes	N/A
		capillary blood ³	No	No - upon TA request	OTHER (add a note)
	Cobalt Xenon	urine	No	No - upon TA request	OTHER (add a note)

¹ Obtained after centrifugation of venous blood collected in serum tubes (blood sample)

² Obtained after centrifugation of venous blood collected in EDTA tubes (blood ABP sample)

³ Obtained using Dried Blood Spot (DBS) sample collection devices

List class	Targets (examples)	Matrix (sample type)	Mandatory by all Laboratories	Applied to all samples	Analysis in ADAMS
Transforming growth factor beta (TGF-β) signalling inhibitors (S2.1.4)	luspatercept sotatercept	urine serum ¹ plasma ² capillary blood ³	No	No - upon TA request	OTHER (add a note)
Innate Repair Receptor Agonists (S2.1.5)	- Asialo EPO - Carbamylated EPO	urine	No	No - upon TA request	
Intact hCG (S2.2.1)	Screening (intact or total hCG)	urine	Yes	Yes	N/A
	Confirmation (intact hCG, different from screening assay)	urine	No	Subcontract to another laboratory if no capacity	N/A
LH (S2.2.1)	LH (screening)	urine	No	No (Laboratories with capacity do test all urine samples)	OTHER (add a note)
Corticotrophins (S2.2.2)	- Corticotropin - Tetracosactide	urine capillary blood ³	No	No - upon TA request	OTHER (add a note)
hGH (S2.2.3)	hGH Isoforms	serum ¹	Yes	No - upon TA request after collection of blood samples in serum tubes for analysis of hGH isoforms	GH Isoforms
	hGH Biomarkers (IGF-I, P-III-NP)	serum ¹	No	No - upon TA request after collection of blood samples in serum tubes for analysis of hGH biomarkers	GH Biomarkers
	Markers of Endocrine Module of the ABP (IGF-I, P-III-NP)	serum ¹	No	No - upon TA request after collection of blood samples in serum tubes for analysis of endocrine Markers of the ABP	Endocrine Profile
Small peptides	GnRH (S2.2.1) AOD-9604, hGH 176-191 (S2.2.3) GHS (2.2.4) GHRP (2.2.4) TB-500 (S2.3) Desmopressin, Felypressin (S5)	urine serum ¹ plasma ² capillary blood ³	Yes No	No - upon TA request. GnRH also done if needed to confirm elevated LH findings. Some laboratories apply small peptides method to all samples (agreement with the TA).	GHRF (GHS/GHRP) GnRH
Large peptides	GHRH (S2.2.3) IGF-I analogues (S2.3) Insulins and insulin-mimetics (S4.4.2)	urine serum ¹ plasma ² capillary blood ³	No	No - upon TA request	GHRF (GHRH) IGF-1 analogues Insulins
Beta-2 Agonists (S3)	Beta-2 agonists not subject to Minimum Reporting Levels (MRLs) or to Decision Limits (DLs)	capillary blood ³	No	No - upon TA request	OTHER (add a note)
Aromatase Inhibitors (S4.1)	Anastrozole, Exemestane, Letrozole	urine capillary blood ³	Yes No	Yes No - upon TA request	OTHER (add a note)
Anti-estrogenic substances (S4.2)	Elacestrant, Tamoxifen, Toremifen	urine capillary blood ³	Yes No	Yes No - upon TA request	OTHER (add a note)
Agents preventing Activin Receptor IIB Activation (S4.3)	Anti-activin receptor IIB antibodies e.g., Bimagrumab Myostatin Inhibitors	urine serum ¹ plasma ²	No	No - upon TA request	OTHER (add a note)
Metabolic Modulators (S4.4)	Peroxisome Proliferator Activated Receptor δ (PPARδ) Agonists e.g. GW1516, GW0742 (S4.4.1), Trimetazidine (S4.4.4)	urine capillary blood ³	Yes No	Yes No - upon TA request	OTHER (add a note)

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Diuretics and Masking Agents (S5)	Diuretics	Urine capillary blood ³ (for diuretics not subject to MRLs)	Yes No	Yes No - upon TA request	OTHER (add a note)
	Plasma Expanders (Dextran, HES, Mannitol)	urine	No	No - upon TA request	OTHER (add a note)
Blood Manipulation (M1.1)	Homologous Blood Transfusion (HBT) - Minor Red Blood Cell (RBC) Antigens	whole blood ⁴	No	No - upon TA request after collection of blood samples in EDTA tubes	Blood Transfusions
	Phthalates (DEHP metabolites)	urine	No	No - upon TA request	OTHER (add a note)
Markers of Hematological Module of ABP (M1.1)	Hematological Markers of ABP (e.g., hemoglobin, % Reticulocytes)	whole blood ⁴	No	No – upon TA request after collection of blood ABP samples in EDTA tubes for analysis of hematological Markers of the ABP	Blood passport as 'Sample Type'
Artificially enhancing the uptake, transport or delivery of oxygen (M1.2)	HBOCs (M1.2)	serum ¹ plasma ² whole blood ⁴	No	No - upon TA request	HBOCs
	Efaproxiral (RSR 13), Voxelotor	urine capillary blood ³	No	No - upon TA request	OTHER (add a note)
	Myo-inositol trispyrophosphate (ITPP)	urine serum ¹ plasma ² capillary blood ³	No	No - upon TA request	OTHER (add a note)
Tampering or Attempting to Tamper (M2.1)	DNA analysis (sequencing, profiling by e.g., Short Tandem Repeat (STR))	urine serum ¹ plasma ² capillary blood ³ whole blood ⁴	No	No - upon TA request if suspicious of sample switch or upon WADA request if needed as part of investigation into recEPO finding	DNA
	Proteases	urine	No	No - upon TA request	OTHER (add a note)
Gene Doping (M3.1)	cDNA transfer (e.g., EPO)	capillary blood ³ whole blood ⁴	No	No - upon TA request	OTHER (add a note)
	siRNA (e.g., myostatin siRNA)	urine capillary blood ³ whole blood ⁴	No	No - upon TA request	OTHER (add a note)

⁴ Obtained using EDTA tubes (e.g., blood ABP samples)