

Status of Specific Methods

List class	Targets	Matrix (sample type)	Mandatory by all Laboratories	Applied to all samples
Steroid esters (S1.1)	Testosterone, Nandrolone, etc	serum ¹ plasma ² capillary blood ³	No	No - upon <u>Testing Authority (TA)</u> request
GC/C/IRMS	Markers urinary steroid profile (S1.1)	urine	Yes	Yes (if needed as a confirmation test or if requested by <u>TA/Results Management Authority (RMA)/Athlete Passport Management Unit (APMU)/WADA</u>)
	Epiandrosterone (EpiA 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 (S1.1), Boldenone & Boldenone Metabolites (S1.1), Formestane (S4.1), 6a-hydroxy-androstenedione (S1.1)	urine	Yes (presence) No (IRMS confirmation)	Presence tested for in all <i>Samples</i> , but if GC/C/IRMS confirmation needed, subcontract to another <u>Laboratory</u> if no capacity
Erythropoietin Receptor Agonists (ERAs) (S2.1.1)	recEPO, dEPO, CERA, EPO-Fc	urine serum ¹ plasma ² capillary blood ³	Yes	No - upon <u>TA</u> request
HIF activating agents (S2.1.2)	Daprodustat, Desidustat, FG-2216 IOX2, IOX4, Molidustat, Roxadustat, Vadadustat	urine capillary blood ³	Yes	Yes
	Cobalt Xenon	urine	No	No - upon <u>TA</u> request
Transforming growth factor beta (TGF-β) signalling inhibitors (S2.1.4)	luspatercept sotatercept	urine serum ¹ plasma ²	No	No - upon <u>TA</u> request
Innate Repair Receptor Agonists (S2.1.5)	Asialo EPO Carbamylated EP	urine		No - upon <u>TA</u> request
Intact hCG (S2.2.1)	Screening (intact or total hCG)	urine	Yes	Yes
	Confirmation (intact hCG, different from screening assay)	urine	No	Subcontract to another <u>Laboratory</u> if no capacity
LH (S2.2.1)		urine	No	No (<u>Laboratories</u> with capacity do test all urine <i>Samples</i>)
Corticotrophins (S2.2.2)	Corticotropin Tetracosactide (Synacthen)	urine	No	No - upon <u>TA</u> request
hGH (S2.2.3)	hGH Isoforms	serum ¹	Yes	No - upon <u>TA</u> request

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	Matrix (sample type)	Mandatory by all Laboratories	Applied to all samples
	hGH Biomarkers (IGF-I, P-III-NP)	serum ¹	No	No - upon <u>TA</u> request
	Endocrine Passport (IGF-I, P-III-NP)	serum ¹	No	No - upon <u>TA</u> request
Small peptides	GnRF (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 capillary blood ³	Yes (urine)	No - upon <u>TA</u> request. GnRH also analyzed if needed to confirm elevated LH findings. Some <u>Laboratories</u> apply small peptides method to all urine <i>Samples</i> (agreement with TA).
Large peptides	GHRH (S2.2.4) IGF-I analogues (S2.3) Insulins (S4.4.2)	urine serum ¹ plasma ²	No	No - upon <u>TA</u> request
Anti-activin receptor IIB antibodies (S4.3) Myostatin Inhibitors (S4.3)	e.g., Bimagrumab	urine serum ¹ plasma ²	No	No - upon <u>TA</u> request
Blood Manipulation (M1.1)	Homologous Blood Transfusion (HBT) - Minor Red Blood Cell Antigens	whole blood ⁴	No	No - upon <u>TA</u> request
Artificially enhancing the uptake, transport or delivery of oxygen (M1.2)	HBOCs	serum ¹ plasma ² whole blood ⁴	No	No - upon <u>TA</u> request
	Efaproxiral (RSR 13)	urine	No	No - upon <u>TA</u> request
	Myo-inositol trispyrophosphate (ITPP)	urine serum ¹ plasma ²		
	Voxelotor	urine		
DNA analysis		urine serum ¹ plasma ² capillary blood ³ whole blood ⁴	No	No - upon <u>TA</u> request if suspicious of sample switch (M2.1) or upon <i>WADA</i> request if needed as part of investigation into recEPO finding (test for <i>EPO</i> c.577del variant)
Proteases (M2.1)		urine serum ¹ plasma ²	No	No - upon <u>TA</u> request if suspicious of tampering
Gene Doping (M3.1)	cDNA transfer (e.g., EPO)	capillary blood ³ whole blood ⁴	No	No - upon <u>TA</u> request
	siRNA (e.g., myostatin siRNA)	urine		
Hematological Module of <i>ABP</i>	Blood Markers of <i>ABP</i>	whole blood ⁴	No	No – upon collection of <i>ABP</i> samples
Blood <i>Markers</i> of the Steroidal Module of <i>ABP</i>	Testosterone, Androstenedione (S1.1)	serum ¹	No	No - upon TA request

⁴ Obtained using EDTA tubes (blood *ABP Samples*)