

## Wave 1 Snapshot Data

The following results are from samples submitted to CheQpoint between the dates of 19<sup>th</sup> April 2024 to 7<sup>th</sup> June 2024. The total number of samples submitted was 32. The total number of samples qualitatively analysed was 23.

**Table 1: Qualitative results of submitted samples.**

Expected Drug Type	Samples Submitted (n, %)	Expected Drug Detected (n)	Notes on unexpected/inconclusive results	Expected Carrier Oil	Carrier Oil Detected
<b>Injectable</b>					
Testosterone Propionate	1 (4.3)	1		Not Provided = 1	MCT = 1
Testosterone Cypionate	1 (4.3)	1		Not Provided = 1	MCT = 1
Testosterone Enanthate	4 (17.4)	3	Testosterone Cypionate was detected in 1.	GSO = 1	GSO = 1
				Not Provided = 3	MCT = 3
Methenolone Enanthate [Primobolan]	1(4.3)	1		Not Provided = 1	MCT = 1
Drostanolone Enanthate [Masteron]	3 (13.0)	3		GSO = 1	GSO = 1
				MCT = 1	MCT = 1
				Not Provided = 1	MCT = 1
Nandrolone Phenylpropionate [NPP]	3 (13.0)	3		MCT = 2	MCT =2
				Not Provided = 1	MCT = 1

Nandrolone Decanoate [Deca]	1(4.3)	1		Not Provided = 1	MCT = 1
Trenbolone Enanthate	4 (17.4)	4		GSO = 1	GSO = 1
				Not Provided = 3	GSO = 3
Trestolone no ester [MENT]	1 (4.3)	0	Trestolone Acetate	Not Provided = 1	MCT = 1
<b>Oral</b>					
Mesterolone [Proviron]	1(4.3)	1			
Oxandrolone [Anavar]	2 (8.7)	1	1 sample = Stanozolol [Winstrol] detected. 1 sample = Testosterone and oxandrolone were detected.		
Stanozolol [Winstrol]	1(4.3)	1			
<b>TOTAL</b>	<b>23 (100%)</b>	<b>20 (87%)</b>			

\*MCT = Medium Chain Triglycerides oil

\*GSO = Grape Seed Oil

*Footnotes: Oxandrolone, stanozolol, and testosterone are all anabolic-androgenic steroids but differ in their properties. Oxandrolone has a half-life of 9-10 hours and is known for its anabolic effects with less hepatic strain (compared to other C17 $\alpha$ -alkylated AASs, for example, stanozolol) and androgenic activity than, for example, testosterone [1,2]. The presence of stanozolol and testosterone indicates a shift towards compounds with potentially higher hepatic strain and androgenic effects but varying anabolic properties. Out of the four samples submitted as testosterone enanthate (17.4%), three matched the expected drug. In one sample, testosterone cypionate, which has a slightly shorter half-life than enanthate [3], was detected instead.*

[1] Orr, R., & Singh, M. F. (2004). The anabolic androgenic steroid oxandrolone in the treatment of wasting and catabolic disorders: review of efficacy and safety. *Drugs*, 64, 725-750.

[2] Kuhn, C. M. (2002). Anabolic steroids. Recent progress in hormone research, 57, 411-434.

[3] Turza, A., Pascuta, P., Mare, L., Borodi, G., & Popescu, V. (2023). Structural insights and intermolecular energy for some medium and long-chain testosterone esters. *Molecules*, 28(7), 3097.

The following results are from samples submitted to CheQpoint between the dates of 19<sup>th</sup> April 2024 to 7<sup>th</sup> June 2024. The total number of samples submitted was 32. The total number of samples quantitatively analysed was 1.

**Table 2: Quantitative results of submitted samples.**

Expected Drug Type	Expected Concentration	Detected Concentration
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# Hi-Ground

# CHEQPOINT

# QuIVAA

Testosterone Propionate	100mg/mL	96.2mg/mL
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*Footnotes: We were able to do this for 1 sample thus far due as we build our reference standard library. As we build this library we will be able to 'back-date' the quantitative analyses when possible.*