

Laboratory Report (Advanced TRT (Testosterone Replacement Therapy) Blood Test)



Observation Date : **1-JUL-2022**

Laboratory : **Eurofins County Pathology Ltd**

Our laboratories are regulated by the CQC and are fully UKAS accredited.

Overview

You selected our express service when you purchased your test which means that your results have not been reviewed by our medical team. In selecting this service you agreed that these results are for your own personal use and it is your responsibility to review any out-of-range results with your doctor or consultant.

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Red Blood Cells

Haemoglobin	163 g/L (Range: 130 - 170)
Haematocrit	0.473 L/L (Range: 0.38 - 0.5)
Red Cell Count	5.24 x10 ¹² /L (Range: 4.4 - 5.8)
MCV	90.3 fl (Range: 81 - 98)
MCH	31.1 pg (Range: 27 - 33)
MCHC	344 g/L (Range: 300 - 350)
RDW	14.9 % (Range: 11.5 - 14.4)

White Blood Cells

White Cell Count	7.4 x10 ⁹ /L (Range: 3 - 10)
Neutrophils	4.26 x10 ⁹ /L (Range: 2 - 7.5)
Lymphocytes	2.75 x10 ⁹ /L (Range: 1.2 - 3.65)
Monocytes	0.29 x10 ⁹ /L (Range: 0.2 - 1)
Eosinophils	0.07 x10 ⁹ /L (Range: 0 - 0.4)
Basophils	0.04 x10 ⁹ /L (Range: 0 - 0.1)

Clotting Status

Platelet Count	318 x10 ⁹ /L (Range: 150 - 400)
MPV	8.90 fl (Range: 7 - 13)

Kidney Health

Urea	8.4 mmol/L (Range: 2.5 - 7.8)
Creatinine	101 umol/L (Range: 59 - 104)
eGFR	78 ml/min/1.73m ² >60 unless evidence of CKD (Range: ≥ 60)

Liver Health

ALP	68 IU/L (Range: 30 - 130)
ALT	50 U/L (Range: < 50)
GGT	36 U/L (Range: 8 - 61)

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Proteins

Total Protein	x 80.8 g/L (Range: 60 - 80)
Albumin	✓ 48.8 g/L (Range: 35 - 50)
Globulin	✓ 32.0 g/L (Range: 19 - 35)
SHBG	x 7 nmol/L (Range: 18.3 - 54.1)

Diabetes

HbA1c	✓ 30 mmol/mol
	20 - <42 Non-diabetic
	42 - <48 Prediabetes
	>= 48 Diabetes
	48 - 59 Good control
	(Range: 20 - 41.9)

Cholesterol Status

Total Cholesterol	x 5.15 mmol/L (Range: 0 - 5)
LDL Cholesterol	x 3.11 mmol/L (Range: < 3)
Non HDL Cholesterol	✓ 3.91 mmol/L (Range: < 4)
HDL Cholesterol	✓ 1.24 mmol/L (Range: > 1.1)
Total Cholesterol : HDL	x 4.15 ratio (Range: < 4)
Triglycerides	x 1.75 mmol/L (Range: < 1.7)

Muscle Health

Creatine Kinase	x 525 U/L (Range: 39 - 308)
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Iron Status

Ferritin	✓ 103.0 ug/L (Range: 30 - 400)
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Thyroid Hormones

TSH	✓ 3.44 mU/L (Range: 0.27 - 4.2)
Free T3	✓ 5.60 pmol/L (Range: 3.1 - 6.8)
Free Thyroxine	✓ 13.8 pmol/L (Range: 12 - 22)

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Hormones

FSH	<div><div>x</div><0.3 IU/L</div> <div>Follicular 3.5-12.5 Ovulation 4.7-21.5 Luteal 1.7-7.7 Postmenopause 25.8-134.8</div> <div>(Range: 1.5 - 12.4)</div>
LH	<div><div>x</div><0.3 IU/L</div> <div>Follicular 2.4-12.6 Ovulation 14.0-95.6 Luteal 1.0-11.4 Postmenopause 7.7-58.5</div> <div>(Range: 1.7 - 8.6)</div>
Oestradiol	<div><div>x</div>181 pmol/L</div> <div>Follicular 45.4 - 854 Ovulation 151 - 1461 Luteal 82 - 1251 Postmenopause <100</div> <div>(Range: 41 - 159)</div>
Testosterone	<div><div>x</div>41.90 nmol/L (Range: 8.64 - 29)</div>
Free Testosterone - Calc.	<div><div>x</div>1.43 nmol/L (Range: 0.2 - 0.62)</div>
Prolactin	<div><div>x</div>477 mU/L (Range: 86 - 324)</div>

Prostate

PSA - Total	<div><div>■</div>1.080 ng/mL (Range: 0 - 4)</div>
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