

## Laboratory Report ( Advanced Sports Hormone Blood Test )

### CLIENT

Surname : [REDACTED]

Forename : [REDACTED]

D.O.B. : [REDACTED]

Sex : M

Observation Date : [REDACTED]

PID : [REDACTED]

Laboratory : Eurofins County Pathology Ltd

### Red Blood Cells

Haemoglobin	154 g/L (Range: 130 - 170)
Haematocrit	0.445 L/L (Range: 0.38 - 0.5)
Red Cell Count	5.03 x10 <sup>12</sup> /L (Range: 4.4 - 5.8)
MCV	88.6 fl (Range: 81 - 98)
MCH	30.7 pg (Range: 27 - 33)
MCHC	346 g/L (Range: 300 - 350)
RDW	13.3 % (Range: 11.5 - 14.4)

### White Blood Cells

White Cell Count	! Sample error
Neutrophils	! Sample error
Lymphocytes	! Sample error
Monocytes	! Sample error
Eosinophils	! Sample error
Basophils	! Sample error

### Clotting Status

Platelet Count	257 x10 <sup>9</sup> /L (Range: 150 - 400)
MPV	10.6 fl (Range: 7 - 13)

### Kidney Health

Urea	x 9.70 mmol/L (Range: 2.5 - 7.8)
Creatinine	101 umol/L (Range: 59 - 104)
eGFR	73.8 ml/min/1.73m <sup>2</sup> >60 unless evidence of CKD (Range: ≥ 60)

### Liver Health

ALP	91.00 IU/L (Range: < 130)
ALT	42.30 IU/L (Range: < 50)
GGT	15.00 IU/L (Range: 10 - 71)

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Laboratory : [REDACTED]

### Proteins

Total Protein 73.50 g/L (Range: 60 - 80)  
Albumin 45.20 g/L (Range: 35 - 50)  
Globulin 28.3 g/L (Range: 19 - 35)  
SHBG 28.20 nmol/L  
  
Premenopause 32.4-128  
Postmenopause 27.1-128  
(Range: 18.3 - 54.1)

### Diabetes

HbA1c 30.62 mmol/mol (Range: 20 - 42)

### Cholesterol Status

Total Cholesterol x 6.03 mmol/L (Range: 0 - 5)  
LDL Cholesterol x 4.45 mmol/L (Range: < 3)  
Non HDL Cholesterol x 4.77 mmol/L (Range: < 4)  
HDL Cholesterol 1.26 mmol/L (Range: > 1.1)  
Total Cholesterol : HDL x 4.79 ratio (Range: < 4)  
Triglycerides 0.70 mmol/L (Range: < 1.7)

### Inflammation

CRP HS 1.39 mg/L (Range: < 5)

### Muscle Health

Creatine Kinase 96.00 IU/L (Range: 39 - 308)

### Iron Status

Iron 22.71 umol/L (Range: 5.8 - 34.5)  
Ferritin 391.00 ug/L (Range: 30 - 400)

### Thyroid Hormones

TSH 2.75 mIU/L (Range: 0.27 - 4.2)  
Free Thyroxine 14.800 pmol/L (Range: 12 - 22)

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## Hormones

Hormone Phase

FSH

Men Phase

█ 6.02 IU/L

Follicular 3.5-12.5

Ovulation 4.7-21.5

Luteal 1.7-7.7

Postmenopause 25.8-134.8

(Range: 1.5 - 12.4)

LH

█ 4.79 IU/L

Follicular 2.4-12.6

Ovulation 14.0-95.6

Luteal 1.0-11.4

Postmenopause 7.7-58.5

(Range: 1.7 - 8.6)

Oestradiol

█ 47.70 pmol/L

Follicular 45.4 - 854

Ovulation 151 - 1461

Luteal 82 - 1251

Postmenopause <100

(Range: 41 - 159)

Testosterone

█ 13.40 nmol/L (Range: 8.64 - 29)

Free Testosterone - Calc.

█ 0.288 nmol/L (Range: 0.2 - 0.62)

Free Androgen Index

█ 47.52 Ratio (Range: 24 - 104)