



Hayley Ray

Your test results

Comprehensive Thyroid Check

Summary

Congratulations on taking the Comprehensive Thyroid Check which puts you in control of your health data!



i-screen

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Reverse T3

Your reverse T3 levels are within the normal range, and do not indicate reverse T3 dominance that could be impairing your thyroid function.

rT3 355 pmol/l

Reverse T3 is an inactive form of the thyroid hormone T3. rT3 does not bind to thyroid hormone receptors and does not exert the same physiological effects. rT3 levels may be increased during periods of stress, illness, or calorie restriction.



FT3 to Reverse T3 Ratio 1.27 x100

A higher FT3/rT3 ratio is generally associated with optimal thyroid function and metabolic activity. It suggests that the body is efficiently converting T4 into the active T3 form and that there is a lower proportion of T4 being converted into rT3.



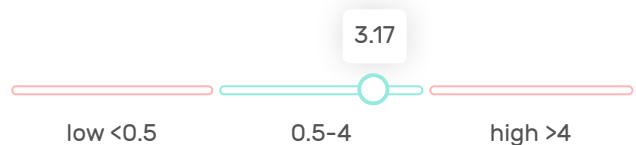
Thyroid Function

Your thyroid hormones are all within the normal range which is typically a good indication that your thyroid is functioning as it should be.

Thyroid hormones play a crucial role in regulating the body's metabolic rate, which is the rate at which the body converts food into energy. They also play a role in regulating body temperature, heart rate, and breathing rate.

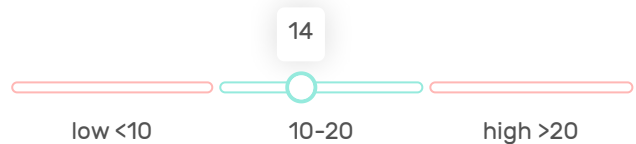
TSH 3.17 mIU/L

Communicates with the thyroid gland to produce T3 and T4 which regulate metabolic functions. High TSH thyroid test levels indicates an underactive thyroid, and low levels an overactive thyroid.



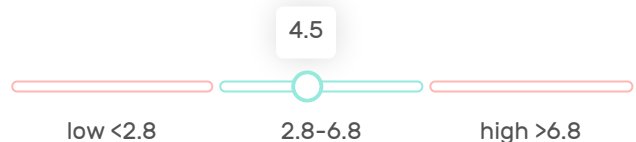
FT4 14 pmol/L

Measures the thyroxine that is freely circulating and able to regulate metabolism. High FT4 thyroid test levels indicate an overactive thyroid, and low levels an underactive thyroid.



FT3 4.5 pmol/L

Measures the triiodothyronine that is freely circulating. High FT3 thyroid test levels indicate an overactive thyroid, and low levels an underactive thyroid.

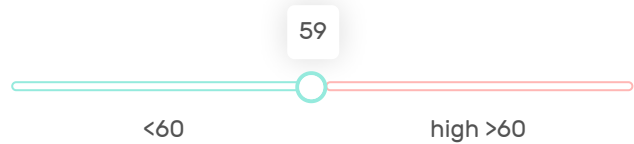


Thyroid Antibodies (with TSI)

Your thyroid antibodies are within the normal range meaning that it is unlikely that autoimmune disease is impacting your thyroid function.

TPOAb 59 U/mL

Thyroid peroxidase antibodies work against thyroid peroxidase, an enzyme that plays a part in the T4-to-T3 conversion and synthesis process. TPO antibodies can be evidence of tissue destruction, such as Hashimoto's disease.



TGAb 2.9 IU/mL

When your immune system attacks the thyroid it often targets thyroglobulin which causes it to produce antithyroglobulin antibodies. Thyroglobulin antibodies are positive in about 60% of Hashimoto's patients and 30% of Graves patients.



TSI/ TRAb < 0.10 U/L

High levels of TSH Stimulating Immunoglobulin (TSI) can indicate Graves' disease, which is an autoimmune disorder that affects the thyroid gland.



Recommendations

Check in with your GP



As always, please visit your GP to discuss your results. Laboratory investigations are an important aspect of healthcare, however they must be viewed in the wider context of your medical history, current health and concerns, physical examination findings and other investigations. These results do not replace the need for face to face medical consultation or regular visits to your local GP. A copy of your lab report is attached for your reference.