



Sarah Hatcher

Your test results Metabolic Balance Panel

Summary

Congratulations on taking the Metabolic Balance Panel which puts you in control of your health data!



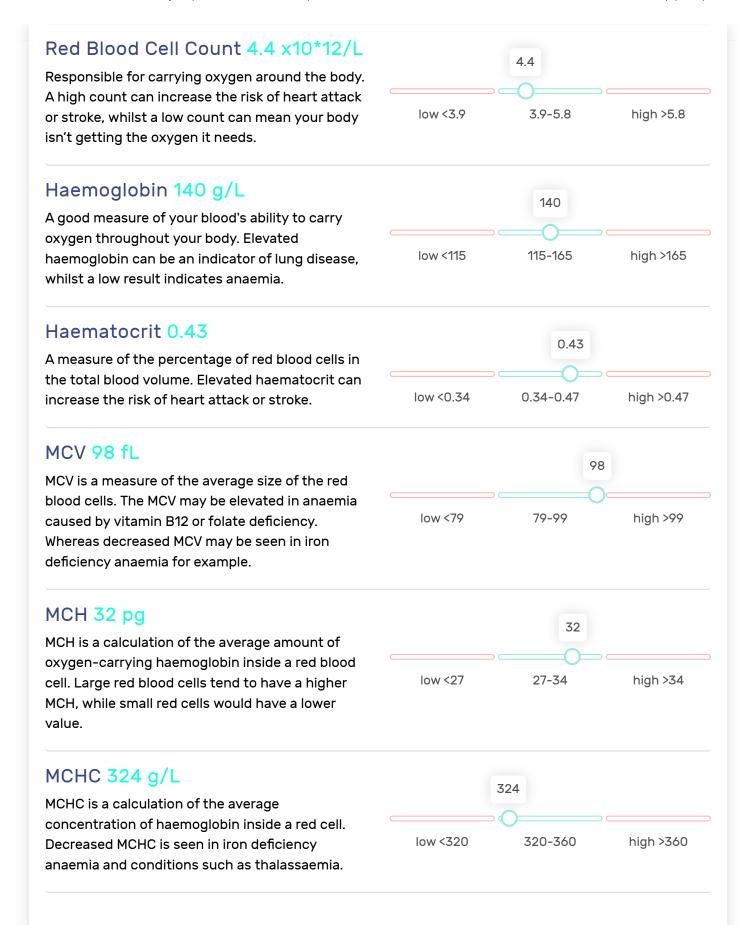
Collection Date: 18 Sep 2023

Full blood count with differential

Your neutrophil count (a type of white blood cell) is slightly lower than normal. This is not necessarily of clinical significance in isolation, though may be due to a number of reasons including viral and bacterial infections, autoimmune diseases, vitamin B12 or folate deficiency, as well as certain medications.

A retest of your full blood count in 3 weeks may be considered - this should allow enough time for your results to normalise if this is due to a viral/bacterial infection - refer to our Full Blood Count for more information.

Your haemoglobin, other white cell subtype counts and platelets are normal.



RDW 13.1 %

RDW is a calculation of the variation in the size of your red blood cells. A high RDW value may indicate the presence of certain medical conditions, such as anaemia, liver disease, or vitamin B12 or folate deficiency.



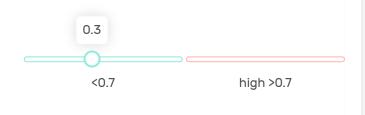
White Blood Cell Count 4.1 x10*9/L

Responsible for fighting infection. A high count can indicate recent infection and even stress, whilst a low count can result from vitamin deficiencies, liver disease and immune diseases.



Eosinophils 0.3 x10*9/L

A type of white blood cell. Can increase in response to allergic disorders, inflammation of the skin and parasitic infections. They can also occur in response to some infections or to various bone marrow malignancies.



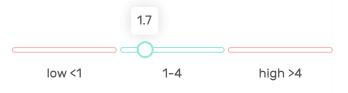
Monocytes 0.4 x10*9/L

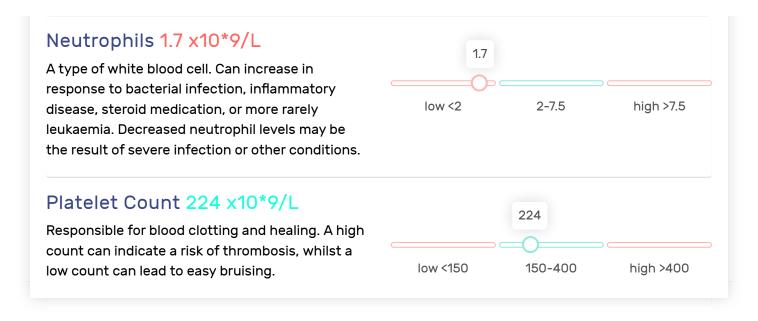
A type of white blood cell. Can increase in response to infection as well as inflammatory disorders, and occasionally with some types of leukaemias. Decreased monocyte levels can indicate bone marrow injury or failure and some forms of leukaemia.



Lymphocytes 1.7 x10*9/L

A type of white blood cell. Can increase with bacterial or viral infection, leukaemia, lymphoma, radiation therapy or acute illness. Decreased lymphocyte levels are common in later life but can also indicate steroid medication, stress, lupus and HIV infection.





UECs (Kidney Function)

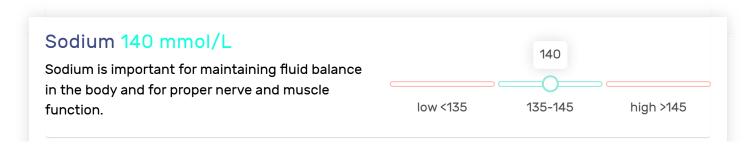
Your estimated filtration rate (eGFR) is down toward the lower end of normal.

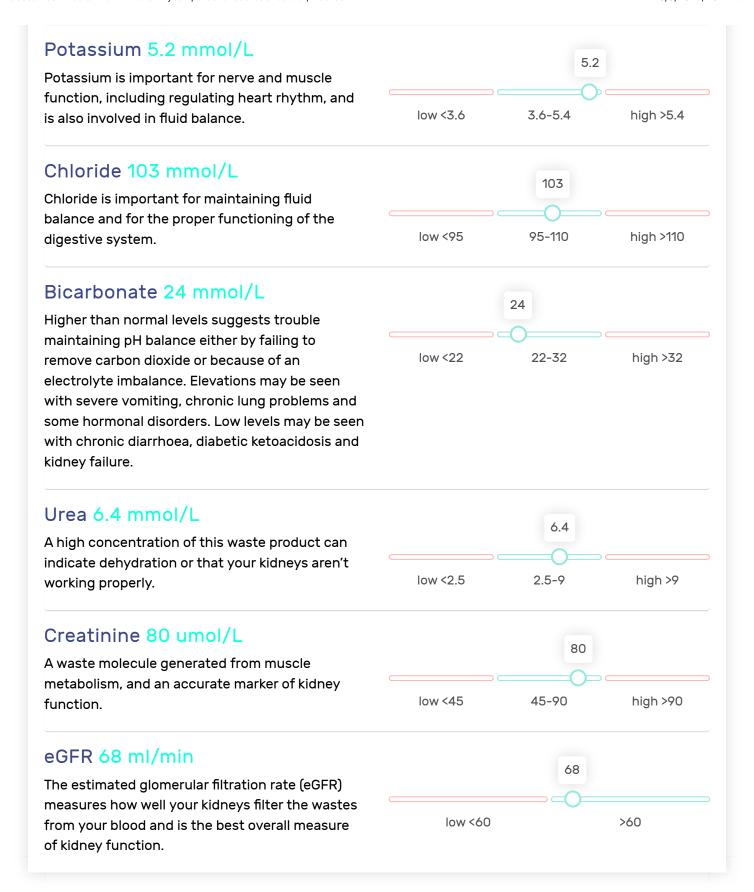
This may imply a degree of reduction in kidney function. This can be seen temporarily e.g. with infection, dehydration, certain medications or strenuous exercise and should typically resolve.

However, longer term and persistent declines in kidney function may also occur e.g. with ageing, diseases of the kidney itself or the effects of situations such as diabetes or high blood pressure. A reduced eGFR is a fairly common finding in individuals over the age of 65 years.

As such I would recommend GP follow up, as onward monitoring may be warranted.

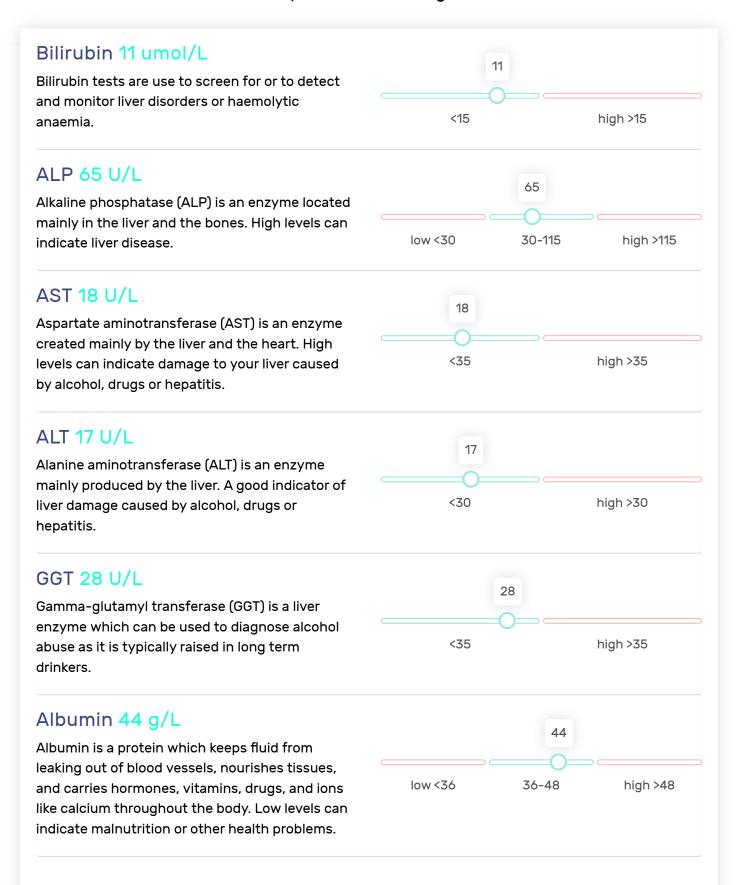
*Note that testing for kidney disease usually also involves a urine sample - refer to our Kidney Check https://www.i-screen.com.au/tests/kidney-function-test for more information.





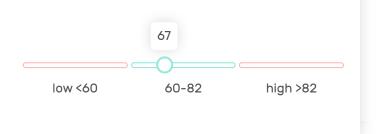
Liver Function (LFTs)

Your liver function results are within normal range which is a good indication that your liver is working as it should be.



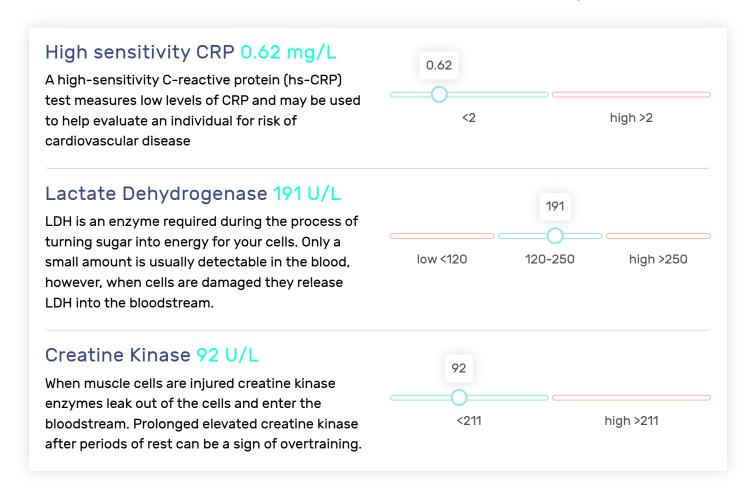
Total Protein 67 g/L

A measure of all of the proteins in the plasma portion of your blood. Proteins are important building blocks of all cells and tissues - they are important for body growth and health.



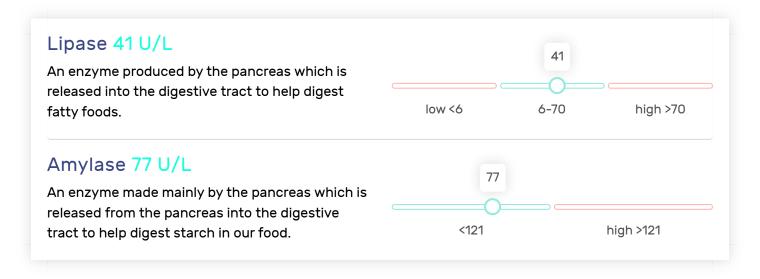
Inflammation

Your inflammation markers are within the normal range.



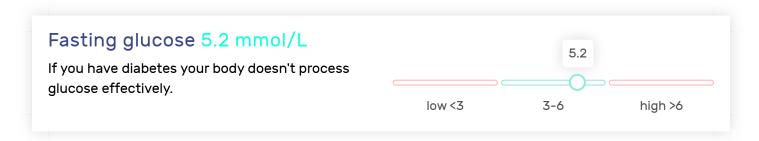
Pancreatic Function

Your pancreatic enzymes are within the normal range and don't show evidence of pancreatic inflammation.



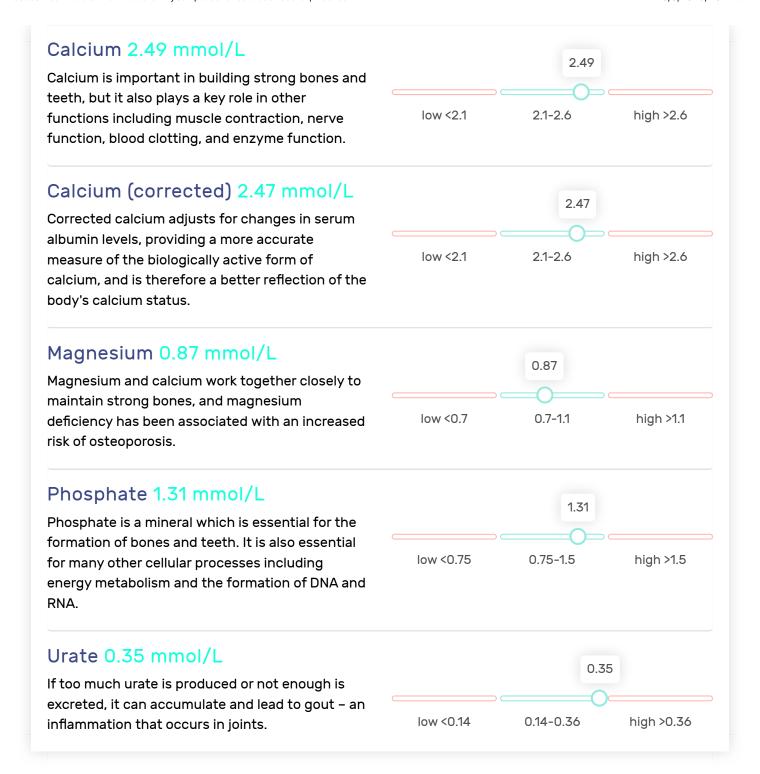
Blood Glucose

Your fasting glucose is within the normal range and doesn't indicate increased risk of diabetes.



Bone Health

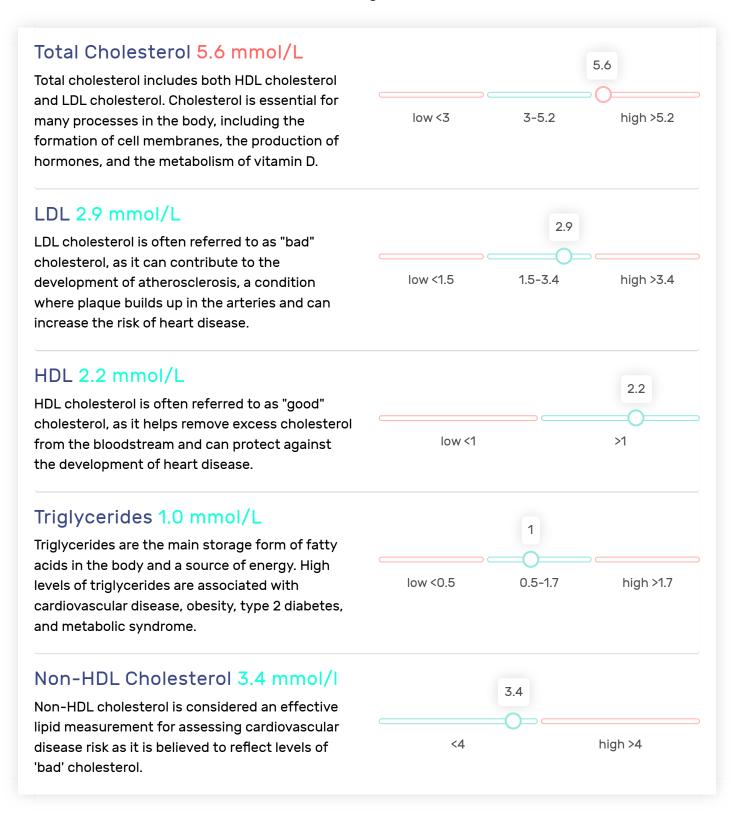
Calcium and phosphate work together to help build strong bones and teeth. Your markers are within the normal range and don't indicate an imbalance that could cause bone weakness.



Cholesterol

Despite your elevated total cholesterol your LDL "bad" and non-HDL cholesterol are within the normal range, which typically indicates you are at relatively low risk of developing cardiovascular disease (assuming you are not already in a high risk category).

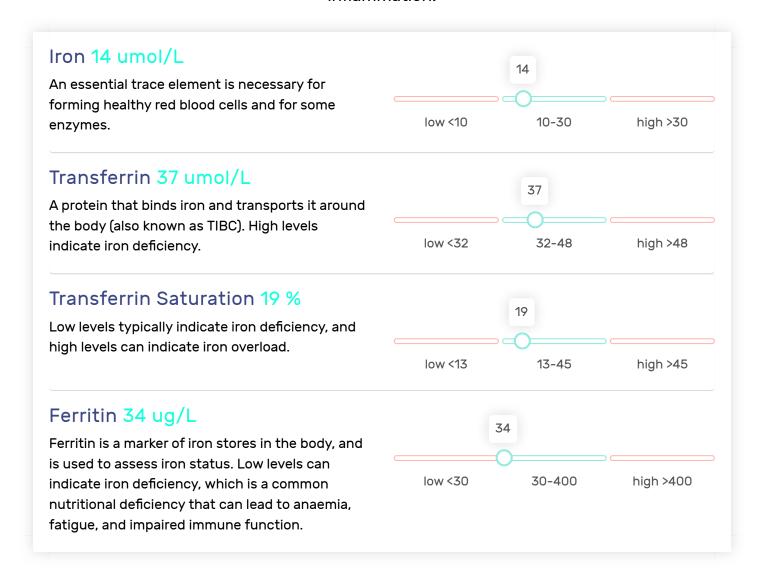
Similarly your HDL "protective" cholesterol and triglycerides are within range.



Iron Studies

Your ferritin levels are borderline, which can indicate a tendency toward iron deficiency. During reproductive years iron deficiency in women is usually due to heavy menstrual losses.

*Note that ferritin levels may be falsely elevated where there is inflammation.

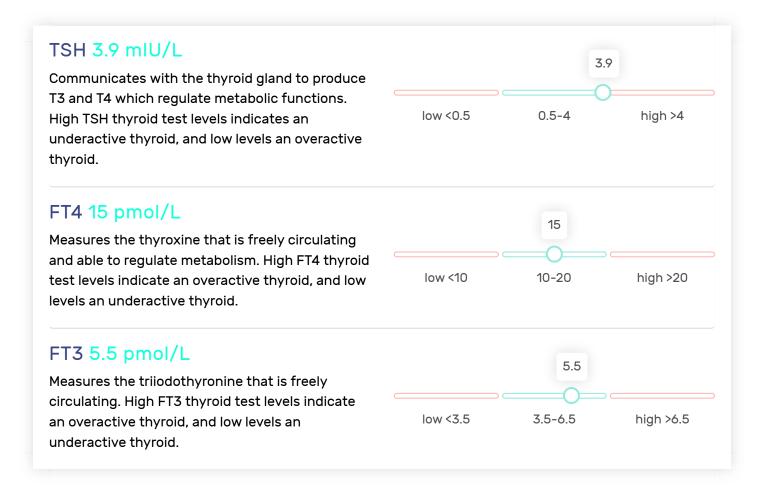


Thyroid Function

Your TSH levels are at the higher end of normal. When TSH levels are slightly higher than normal but your FT3 and FT4 levels are normal, it's called subclinical hypothyroidism. This usually happens when your thyroid is not working as well as it should, but not enough to cause significant symptoms yet. However, there is a risk that it may progress to clinical hypothyroidism in the future.

In people with subclinical hypothyroidism, up to 80% of them may have antithyroid antibodies present in their blood. These antibodies may indicate that their immune system is attacking their thyroid gland, though may also be found in individuals without any thyroid issues.

However, this said, your TSH here is still technically within range.



Recommendations

Take your blood pressure



Blood pressure is an important cardiovascular disease risk factor, and taking your blood pressure regularly is recommended. High blood pressure puts extra strain on your arteries and heart which over time can cause the arteries to become thicker and less flexible (making them more likely to become clogged up), or to become weaker. This can lead to a heart attack, a stroke, kidney disease or dementia.

Optimise your iron



Consider increasing the amount of iron rich food in your diet. Iron-rich food sources include meats, eggs, green leafy vegetables, (such as spinach, collard greens and kale), wheat germ, whole grain breads, cereals and raisins.

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.