




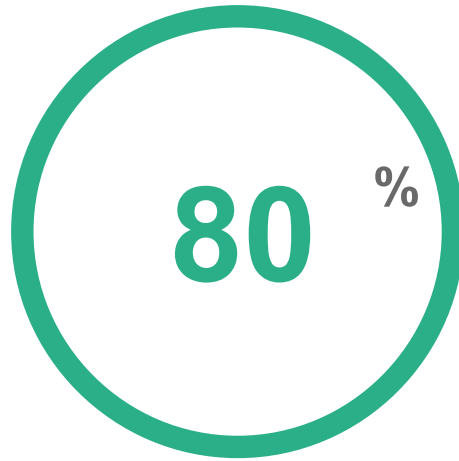
Order	Example Report
Name	FirstName LastName
Date of Birth	DD-Mmm-YYYY
Fasted For	XX hours and XX minutes
Date of Sample Collection	DD-Mmm-YYYY
Date of Report	DD-Mmm-YYYY
Programme	Iron Status

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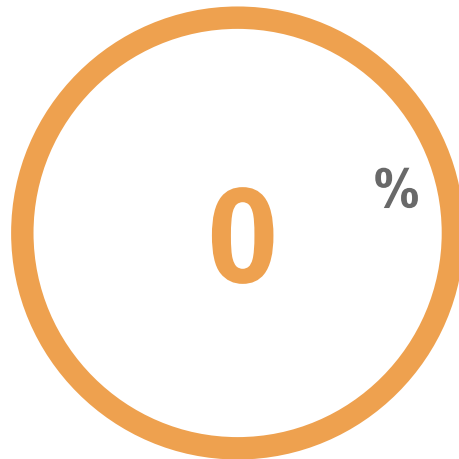
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# Health Status

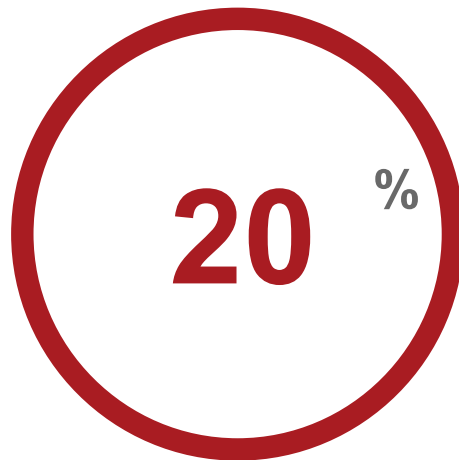
Track and improve your Health Status each time you visit Radox Health.



 Green - In Range



 Amber - In Between



 Red - Out of Range

# Your Results of Interest

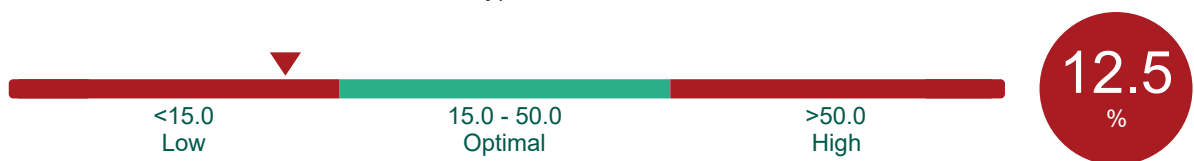
The results presented in this section are a summary of all the tests that are either positive or fall outside the reference ranges. What does this mean? A reference range is a term used to determine if your results are within what is considered to be the 'normal' range of the population. If your results are outside the range for a test, it does not automatically mean the result is abnormal. Depending on each person's individual medical history, current medications and ongoing conditions or diseases, the results must be interpreted in this context to fully understand what these results mean to you. Therefore, in this section those results that are either positive or fall outside the reference range are highlighted so that they can be reviewed by a GP / Consultant to understand the relevance to your health. These results will also appear again throughout the report alongside the other results for that profile.



## Iron Status

### Transferrin Saturation

Transferrin Saturation represents the percentage of transferrin saturated with iron and is determined by dividing the iron level by the total iron binding capacity (TIBC). Calculation of transferrin saturation is helpful in determining the cause of abnormal iron and TIBC levels. A decrease in transferrin saturation can be associated with iron-deficiency anaemia and chronic illnesses. An increase in transferrin saturation can be associated with disorders of excessive iron storage (e.g. haemochromatosis), increased iron intake or other types of anaemia, such as haemolytic anaemia (anaemia caused by premature destruction of red blood cells) and megaloblastic anaemia (anaemia due to vitamin B12 or folic acid deficiency).





# Iron Status

Iron is essential for red blood cell formation. Most of the body's iron, approximately 70%, is present in red blood cells, where its primary role is to carry oxygen from the lungs to all the tissues of the body. Additionally, iron facilitates energy production and release from cells and participates in the functioning of the immune and central nervous systems. Iron Status is useful for evaluating conditions such as iron-deficiency, which can cause anaemia, and iron overload, which can cause organ damage, particularly to the liver.

## Iron



8.1  
µmol/l

## Ferritin



60.68  
µg/l

## Total Iron Binding Capacity (TIBC)



64.8  
µmol/l

## Transferrin



2.86  
g/l

## Transferrin Saturation



12.5  
%

# Results for your Doctor

This section contains all your test results. Your doctor may prefer to see your test results in this format. The results that are either positive or fall outside the reference range are highlighted in red.

Test	Result	Units	Reference Range
<b>Iron Status</b>			
Iron	<b>8.1</b>	µmol/l	5.8 - 34.5 Optimal
Ferritin	<b>60.68</b>	µg/l	10 - 120 Optimal
Total Iron Binding Capacity (TIBC)	<b>64.8</b>	µmol/l	44.8 - 80.6 Optimal
Transferrin	<b>2.86</b>	g/l	2.0 - 3.8 Optimal
Transferrin Saturation	<b>12.5</b>	%	<15.0 Low 15.0 - 50.0 Optimal >50.0 High