

FUNCTIONAL DX

Identifies over 90 biomarker status including male and female hormones, comprehensive detailed sugar, and thyroid panels.



Functional DX is a comprehensive Functional Blood test that goes beyond traditional blood analysis to reveal more about your health picture, identifying hidden patterns to provide real health solutions to get you to your 'optimal' level. The tests measure 80 to 120 blood biomarkers looking at many systems of the body and then how the results interact with each other.

Price: £330

Functional DX

DESCRIPTION

The Functional DX is recommended for people who:

- Want a fully comprehensive blood panel to check overall health status and to prevent ill health from developing in the future.
- To investigate more fully chronic health conditions to prioritise our approach.
- To understand what may be at the root of feeling 'under par' and to understand what the imbalances are in the body.

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AFMCP-UK" GRADUATE LONDON 2018





Sample Test results

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Clinical Children Clinical Children Chi







MaxDX Functional Performance Analysis



Patient Report

Prepared for	John Doe
Requested by	Mr. Jonathan Cohen FDx Clinic
Test date	Nov 01, 2016



What's Inside?

An introduction to functional blood chemistry anaysis and your report.

Your view into your health through an in-depth functional system and nutrient evaluation.

A full breakdown of all individual biomarker results. showing distance from optimal, comparative and historical views.

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ASSESSMENT

Highly detailed and interpretive descriptions of the results presented in each of the assessment and analysis section reports.

SECTION 4: APPENDIX

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Functional **Body Systems**

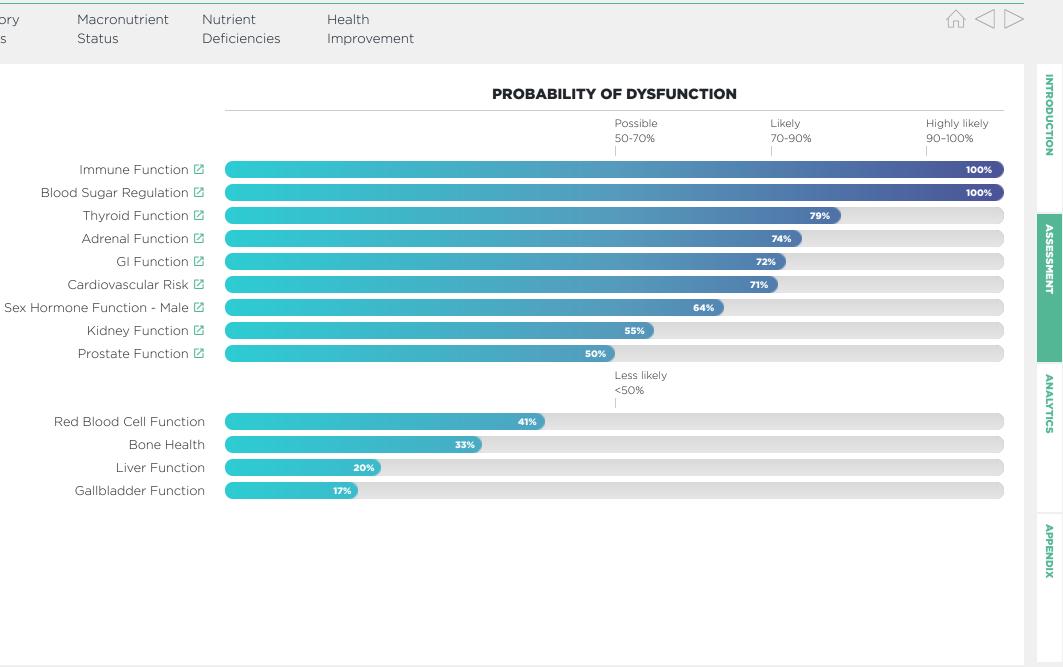
Accessory Systems

Functional Body Systems

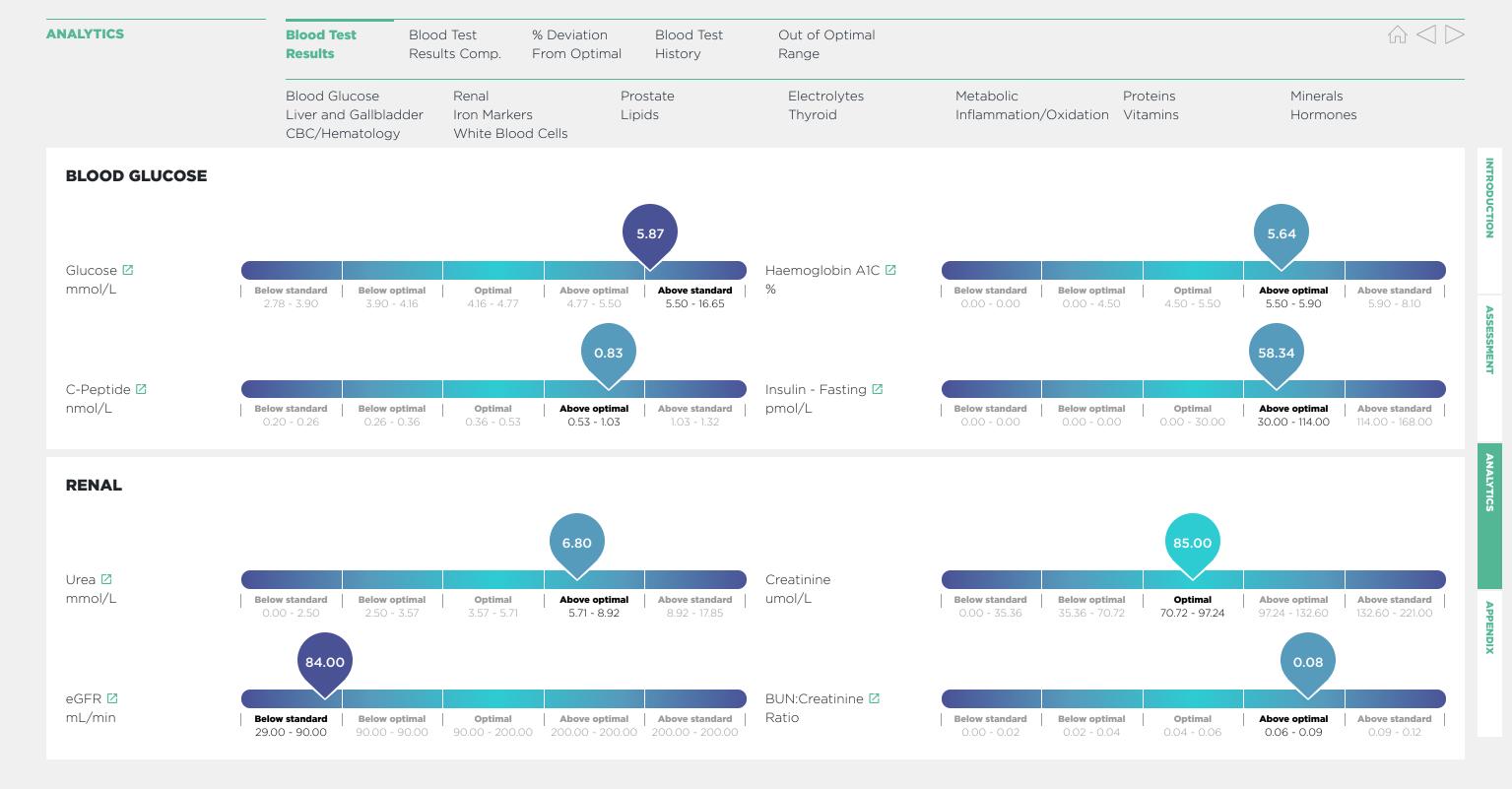
The Functional Body System results opposite represent an algorithmic analysis of this blood test. These results have been converted into your individual Functional Body Systems Report based on our latest research.

This report gives you an indication of the level of dysfunction that exists in the various physiological systems in your body.

Each Body System that has a probability of dysfunction above 50% is hyperlinked into the appendix section so you can read a highly detailed description and individual explanation of the results shown in this report.







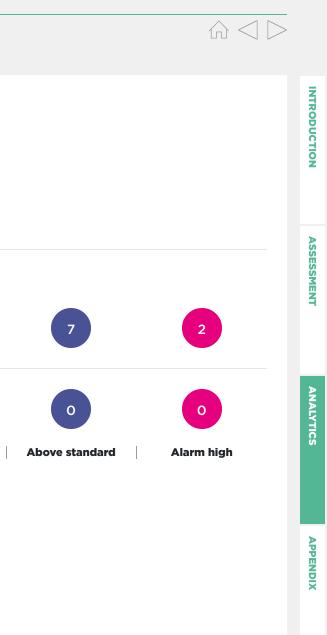


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Blood Test Results Comparative

The Blood Test Results Comparative Report lists the results of the latest and previous Chemistry Screen and CBC and shows you whether or not an individual biomarker is outside of the optimal range and/or outside of the clinical lab range.

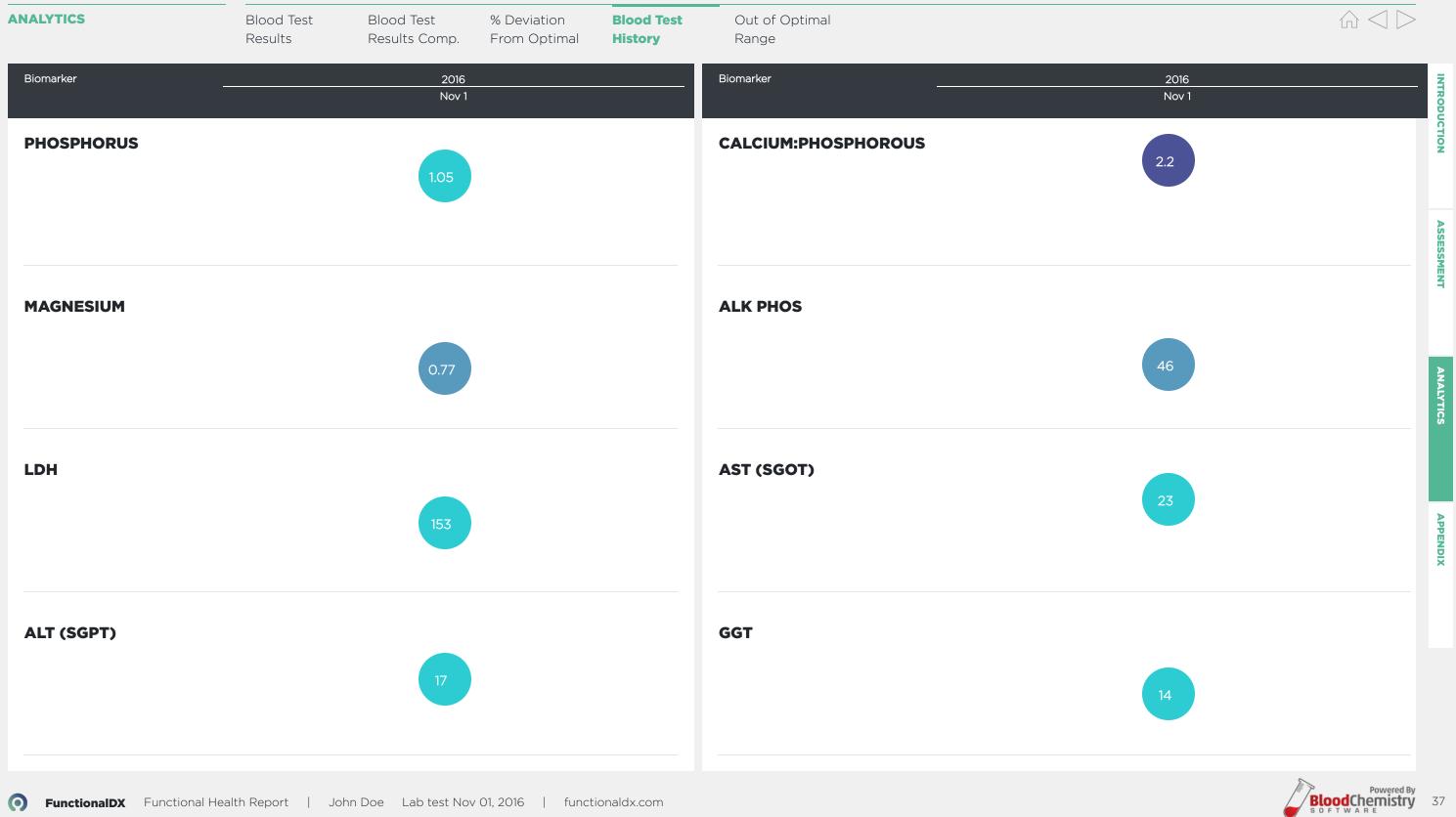






ANALYTICS	Blood Test Results	Blood Test% DeviationBlood TestResults Comp.From OptimalHistory	t Out of Optimal Range			$\bigcirc \bigcirc \bigcirc$
_		Biomarker	Current Nov 01 2016	Optimal range	Standard range	Units
		RBC - Male	4.97	4.20 - 4.90	4.20 - 5.80	x10*12/L
Comparativ	ve Report	Haemoglobin - Male	166.00	140.00 - 150.00	132.00 - 171.00	g/L
_		Haematocrit - Male	0.50	0.40 - 0.48	0.38 - 0.50	Prop. of 1.0
continued		MCV	102.20	82.00 - 89.90	80.00 - 100.00	fL
		MCH	33.40	28.00 - 31.90	27.00 - 33.00	pg
		МСНС	327.00	320.00 - 350.00	320.00 - 360.00	g/L
		RDW	14.50	11.70 - 13.00	11.00 - 15.00	%
		Total WBCs	6.59	5.50 - 7.50	3.80 - 10.80	x10*9/I
		Neutrophils	71.40	40.00 - 60.00	38.00 - 74.00	%
		Lymphocytes	15.80	24.00 - 44.00	14.00 - 46.00	%
		Monocytes	11.10	0.00 - 7.00	4.00 - 13.00	%
		Eosinophils	1.20	0.00 - 3.00	0.00 - 3.00	%
		Basophils	0.50	0.00 - 1.00	0.00 - 1.00	%
		Platelets	270.00	155.00 - 385.00	140.00 - 400.00	x10*9/I
		Glucose	5.87	4.16 - 4.77	3.90 - 5.50	mmol/L
		Haemoglobin A1C	5.64	4.50 - 5.50	0.00 - 5.90	%
		Iron - Serum	18.70	15.22 - 23.27	5.83 - 34.50	µmol/L
		Cholesterol - Total	6.03	4.14 - 4.65	3.23 - 5.17	mmol/L
		Triglycerides	0.95	0.79 - 0.90	0.00 - 1.69	mmol/L
		HDL Cholesterol	1.99	1.42 - 1.81	1.19 - 2.59	mmol/L
		LDL Cholesterol	3.60	0.00 - 3.11	0.00 - 3.37	mmol/L
		VLDL Cholesterol	0.44	0.00 - 2.59	0.00 - 7.51	mmol/L
		Cholesterol:HDL	3.03	0.00 - 4.00	0.00 - 5.00	Ratio
		Triglyceride:HDL	0.47	0.00 - 0.87	0.00 - 0.87	Ratio
		Alk Phos	46.00	70.00 - 100.00	40.00 - 129.00	U/L
		AST (SGOT)	23.00	10.00 - 26.00	0.00 - 32.00	IU/L
		ALT (SGPT)	17.00	10.00 - 26.00	0.00 - 33.00	U/L
		GGT	14.00	10.00 - 30.00	3.00 - 70.00	U/L
		Protein - Total	65.90	69.00 - 74.00	64.00 - 83.00	g/L
		Albumin	45.30	40.00 - 50.00	35.00 - 52.00	g/L
		Globulin - Total	20.60	24.00 - 28.00	19.00 - 37.00	g/L
		Albumin:Globulin	2.19	1.40 - 2.10	0.90 - 2.00	Ratio
		Bilirubin - Total	4.00	1.71 - 15.39	3.42 - 20.52	µmol/L
		Bilirubin - Direct	2.70	0.00 - 3.25	0.00 - 3.42	Umol/L





AN	AL	YT	CS

Blood Test	Blood Test	% Deviation	Blood Test
Results	Results Comp.	From Optimal	History

Out of Optimal Range

Out of Optimal Range

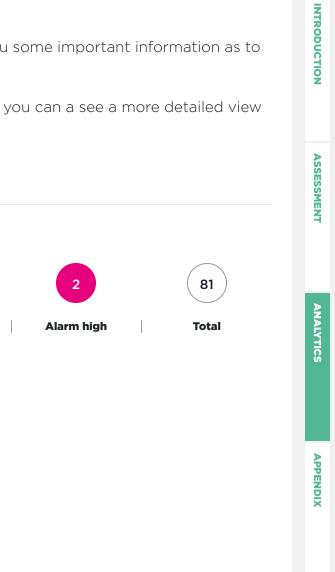
The following report shows all of the biomarkers that are out of the optimal reference range and gives you some important information as to why each biomarker might be elevated or decreased.

Each biomarker in the Out of Optimal Range report hyperlinks back into the Blood Test Results report so you can a see a more detailed view of the blood test result itself.

Total number of biomarkers by optimal range



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Blood Test Results Comp.

Blood Test % Deviation From Optimal History

Out of Optimal Range

Above Optimal

91.50 nmol/L

6.03

mmol/L

SEX HORMONE BINDING GLOBULIN - MALE

Sex Hormone Binding Globulin (SHBG) is a protein produced primarily in the liver and to some extent the testes, uterus, brain, and placenta. SHBG acts as a transport molecule for carrying estrogen and testosterone around the body and delivering them to receptors on the cells.



Cholesterol is a steroid found in every cell of the body and in the plasma. It is an essential component in the structure of the cell membrane where it controls membrane fluidity. It provides the structural backbone for every steroid hormone in the body, which includes adrenal and sex hormones and vitamin D. The myelin sheaths of nerve fibers are derived from cholesterol and the bile salts that emulsify fats are composed of cholesterol. Cholesterol is made in the body by the liver and other organs, and from dietary sources. The liver, the intestines, and the skin produce between 60-80% of the body's cholesterol. The remainder comes from the diet. An increased cholesterol is just one of many independent risk factors for cardiovascular disease. It is also associated with metabolic syndrome, hypothyroidism, biliary stasis, and fatty liver. Decreased cholesterol levels are a strong indicator of gallbladder dysfunction, oxidative stress, inflammatory process, low fat diets and an increased heavy metal burden.



0.83

nmol/L

HS CRP - MALE

cardiovascular disease, stroke, and diabetes.

C-PEPTIDE

C-Peptide is used as an indicator for insulin production from the pancreas. It can help assess whether a high blood glucose is due to reduced insulin output from the pancreas or due to reduced glucose uptake by the cells, a condition called insulin resistance.





INTRODUCTION

ASSESSMENT

High Sensitivity C-Reactive Protein (Hs-CRP) is a blood marker that can help indicate the level of chronic inflammation in the body. Increased levels are associated with in increased risk of inflammation,



APPENDIX	Functional	Accessory	Macro Nutrient	Nutrient	Health	Disclaimer
	Body Systems	Systems	Status	Deficiencies	Improvement	

Functional Body Systems Details

This section contains detailed descriptions and explanations of the results presented in the Functional Body Systems report including all the biomarkers considered in the algorithmic analysis and the rationale behind the interpretation.



IMMUNE FUNCTION

Dysfunction Highly Likely. Much improvement required.

The Immune Function score allows us to assess the state of function in your immune system. When the immune system is in a state of balance we are able to cope and deal with infections with little or no lasting negative side-effects. Biomarkers on a blood test allow us to check and see if the immune system is in a state of balance or not. Some of the factors to consider include a low functioning immune system (a condition called immune insufficiency), bacterial or viral infections or GI dysfunction associated with decreased immune function: abnormal immunity in the gut lining, a decrease in immune cell function in the gut or an increase in abnormal bacteria, etc. in the gut (a condition called dysbiosis).

Rationale

Biomarkers considered

Phos Iron - Serum Ferritin



Dysfunction Highly Likely. Much improvement required.

BLOOD SUGAR REGULATION

The Blood Sugar Regulation score tells us how well your body is regulating blood glucose. Blood sugar dysregulation is very common. It doesn't suddenly emerge but rather develops slowly, so we can look for clues in your blood test that can help us determine if there's dysregulation and if so what it is. Some conditions associated with blood sugar dysregulation include hypoglycemia (periods of low blood sugar), metabolic syndrome, hyperinsulinemia and diabetes.

Rationale

Glucose ↑, Haemoglobin A1C ↑, Insulin - Fasting ↑, Cholesterol - Total ↑, LDL Cholesterol \uparrow , DHEA-S - Male \downarrow , C-Peptide \uparrow

Biomarkers considered

Glucose, LDH, Haemoglobin A1C, Insulin - Fasting, Cholesterol - Total, Triglycerides, LDL Cholesterol, HDL Cholesterol, DHEA-S - Male, C-Peptide

Patient result not available - consider running in future tests:

Fructosamine

INTRODUCTION

ANALYTIC:

APPENDIX

Globulin - Total ψ , Neutrophils \uparrow , Lymphocytes ψ , Monocytes \uparrow , Alk Phos ψ

Total WBCs, Globulin - Total, Neutrophils, Lymphocytes, Monocytes, Albumin, Alk

Functional Body	Accessory	Macro Nutrient	Nutrient
Systems	Systems	Status	Deficienci

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Disclaimer

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ASSESSMENT