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# Body Intolerance Results Guide

Start your journey towards a healthier life

# Thank you for choosing to test with us

**We believe your report and this guide form the beginning of a journey towards better health and wellbeing, enabling you to make positive changes to your daily diet and environment.**

This results guide will give you guidance on what to do next. How to complete the elimination diet guide and a handy food diary template to keep note of what foods you eliminate from your diet and the symptoms you notice. It also explains in further detail the roles of different food types, more in-depth analysis and analysis.

Good luck, and I'm sure you'll find your results are the first step on your journey to improving their health.

Please read this booklet in full.

If you still have any questions after doing so, our support email [info@checkmybodyhealth.com](mailto:info@checkmybodyhealth.com)

*Ruby Saharan*

Ruby Saharan, B.Sc., M.Sc., INHC





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We get it, leaving a Trustpilot review might not be top of mind.

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# Table of contents

Understanding your results	04
How our testing works	06
Your next steps	07
Elimination diet	08
Reintroduction diary	10
Complementary and alternative medicine	11
Customer testimonials	12
Food & drink sensitivity analysis	13
Botanical sensitivity analysis	17
Metal sensitivity analysis	18
Additive sensitivity analysis	21
Gut health sensitivity analysis	25
Digestion sensitivity analysis	26
Anti-aging sensitivity analysis	27
Stress & inflammation sensitivity analysis	28
Sleep hormone analysis	30
Skin health analysis	32
Nutrition sensitivity analysis	33
Health boosting meal programmes	35
Refer a friend	35

**Ask the  
experts**

Our health experts  
are here for you



**Find out more**

# Understanding your results

Every item tested is classified to one of the following three reactivity levels:



## High Reactivity / Outside Range

These are the items that our testing shows you are most likely to be sensitive to or fall outside of optimal range.

These may be causing or contributing to physical symptoms. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet, followed by a gradual reintroduction.



## Moderate Reactivity

These are the items that our testing shows you may be sensitive to.

These may have the potential to cause or contribute to physical symptoms. We would always recommend prioritising the removal of the high reactivity items first and then considering the removal of moderate items for 4-6 weeks, and subsequent reintroduction.

It is also worth considering that having these items in isolation may not cause symptoms, however having a number of moderate reactivity items in the same meal or day may lead to symptoms due to an accumulative effect.



## No Reactivity / Within Range

These are the items that our testing shows you do not have sensitivity to or fall within optimal range.

# Interpreting your results – explainer

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## Sensitivity NOT Allergy

It is important to reiterate that this test is NOT for allergy. It is easy to confuse allergy and sensitivity or intolerance as the different terms are often used interchangeably, which leads to misinterpretation. Allergy and sensitivity are not the same. Of course if someone is allergic to a food item it could be described as being 'sensitive' however as a health condition allergy is different from sensitivity or intolerance.

There are a couple of fundamental differences between allergy and sensitivity; having food sensitivity may be uncomfortable and cause symptoms that, whilst annoying, embarrassing or even debilitating, do not have the potential to be life-threatening like those caused by food allergy; food sensitivity can also change over time, it can often be overcome through implementation of a food elimination diet and/or improving gut health, however food allergy tends to be lifelong.

The physiological process, which takes place in the body during an allergic reaction, is also entirely different to that of sensitivity. An allergic reaction involves the immune system and cells called antibodies, whereas this is not involved in sensitivity. Hair testing does not test antibody levels therefore this is why it cannot be used to test for allergy.

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## Known Allergy

You may have a known allergy; so let's help you to interpret sensitivity results to this item.

### Scenario 1

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The item you are allergic to shows as a moderate or high reactivity item.

This means that as well as a food allergy you have food sensitivity. If you have already removed this item from your diet you do not need to take any action. If you have not removed it previously, it is worth considering doing so, however we would not recommend reintroduction following the elimination diet.

### Scenario 2

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The item you are allergic to shows as a no reactivity item.

This means that you do not have food sensitivity to this item however the result does not question or contradict the presence of your food allergy to the item. It does NOT mean you should reintroduce the item to your diet, you should respect the symptoms or test results you have had previously with regards to allergy. Remember this test does not test for allergy.



# How our testing works

## What is Bioresonance testing?

**Bioresonance therapy is one of a number of procedures including homeopathy, acupuncture and other naturopathic procedures within the area of empirical healing.**

The fundamental principles of the following hypothesis for bioresonance therapy have been confirmed by the latest discoveries in quantum mechanics and biophysics, but have not yet been accepted by current expert opinion within orthodox medicine.

Bio Resonance hair testing is based upon quantum physics. This is a pretty complex area of science, but in very basic terms quantum physics is about the behaviour of matter and energy of the very small, so atoms and subatomic particles and waves. Quantum physics recognises that everything around us emits a frequency, which can be measured. It also recognises a phenomenon called entangled states.

Bio Resonance testing uses the information from a living organism, which gives out energy, in this case a sample of hair. The energy, or frequencies, in the hair are tested. These frequencies are compared to the frequencies of all the items tested for; food items, non-food items, vitamins, minerals, metals, enzymes and bacteria, in order to establish their levels in the body and their level of sensitivity.

The hair sample provided for the testing can be thought of as a fingerprint of a person. When this is combined with the personal information from the submission form, it provides all the information required to conduct the test itself.



This is where your journey to  
a healthier life begins

**You have read through all of your results, so what now? As we said at the beginning of the report we believe that these test results can be the start of your journey towards a healthier life.**

The next step we would recommend is the completion of an elimination diet. This entails the removal of all reactive foods for a period of time followed by reintroduction. The elimination diet is a powerful tool, which provides much clarity for individuals on which foods work for them and which do not.

## Aims and objectives

Before you embark upon any new project, venture or undertaking, in this case making positive dietary changes, it is always good to write down your aims and objectives. You can refer back to these notes in times of doubt or to reflect on whether you achieved your objectives.

You can use the notes section below to jot down any key pieces of information from the test results and also your objectives for the elimination diet and beyond.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.



# Elimination diet

## What is an elimination diet?

An elimination diet is conducted over a short period of time, normally around four weeks. In certain cases a person may be recommended to conduct a longer elimination diet, however generally around four weeks is sufficient time to get good results. At the end of this period you can reintroduce items one by one at the same time as monitoring your symptoms and general wellbeing.

## How does it work?

In the removal and then reintroduction of items you get a clear understanding of those foods which make you feel good, allow you to think with clarity and leave you feeling energised and those which make you feel lethargic, sluggish, sap your energy levels and provoke symptoms like bloating or headaches.

1

### Elimination phase

All high and medium reactive foods are removed from the diet, along with any known allergy or intolerant foods. You can eat freely from those foods in the no reactivity category. You should aim for this phase to last four weeks.

2

### Reintroduction phase

During the reintroduction phase you should bring one item in at a time and then monitor symptoms for the next two days.

You will find a reintroduction diary on page 11, where you can note the food and drinks that you consume along with any symptoms you experience.

## What can't you eat on an elimination diet?

Each person will be different in the foods they should eliminate during the elimination phase. The priority items to remove are those which are shown in the high reactivity category. If eliminating these items alone seems like a big undertaking stick with the removal of only these items. However if you feel you can also achieve the removal of those foods in the medium reactivity category during the elimination phase also do so.

You must also respect any known allergies or intolerances. For example if you know you are allergic to wheat or lactose intolerant and it comes up in the no reactivity section, do not bring it back into your diet.

## What can you eat on an elimination diet?

You can eat any items, which are shown as having no reactivity, except any to which you have known allergies or intolerances.

## What's important during an elimination diet?

In removing items from your diet you are also removing nutrients. Whilst it is only for a short period of time it remains important that you maintain a good daily intake of vitamins and minerals through your diet. Please consult 'the role of food types' page to ensure that in the removal of items you are still getting the given nutrient through other sources.



## What happens after an elimination diet?

Following an elimination diet you should have good clarity on which foods work well for you and which provoke symptoms or make you feel less than your best. If you do find there are items or food groups, which provoke symptoms, it is worth considering the reduction or removal of these items from your diet.

Should you choose to greatly reduce or eliminate an item or food group from your diet ensure you replace the nutrients you would have got from the item or food group with alternative sources.

To get the best from your diet and to support your health and wellbeing ensure that, in the most part, your food comes from non-processed, natural sources and contains a breadth of vitamins and minerals.

# Reintroduction diary

Start date: \_\_ / \_\_ / \_\_

## Typical symptoms to record:

Vomiting

Diarrhoea

Abdominal pain

Bloating

Flatulence

Loose stools

Itchy or inflamed skin

Cough

	Morning Food	Morning Symptom	Afternoon Food	Afternoon Symptom	Evening Food	Evening Symptom
Day 1						
Day 2						
Day 3						
Day 4						
Day 5						
Day 6						
Day 7						

For each food that you reintroduce, think about the symptoms on your list and use none, mild, moderate, or severe to describe your reaction to it in the boxes provided. This will help you remember later when you look back.

# Complementary and alternative medicine



## What is Complementary and Alternative Medicine?

Bioresonance therapy and testing is categorised as a complementary and alternative medicine (CAM). This is a diverse group of therapies, practices and products, which fall outside of conventional medicine or healthcare.

A complementary therapy is used alongside conventional medicine or treatment, whilst alternative therapy is used in place of conventional medicine or treatment. Some therapies or practices could be used as either complementary or alternative; it depends on whether it is combined with conventional medicine alongside or not.

Other therapies and practices, which are considered complementary and alternative medicine:

- Aromatherapy
- Acupuncture
- Homeopathy
- Massage therapy
- Naturopathy
- Osteopathy
- Pilates
- Yoga

## Finding Complementary and Alternative Medicine Practitioners

When using complementary and alternative medicine it is important that you look for a practitioner who is registered with a regulatory body for their field of expertise.

If you think you have a health condition always seek advice from your GP first.

The NHS and CAMs:

<https://www.nhs.uk/conditions/complementary-and-alternative-medicine/>



# Customer testimonials



We thought you'd like to hear what some of our customers thought about our service, from the hair submission to understanding the results report and elimination diet implementation. We would love to get your feedback!



"Quick, easy, and very detailed report. We highly suspected some issues with dairy in our daughters diet but needed to make sure and how bad.

This was perfect and confirmed our suspicions."

**Rudolph Vargas**



"I got my results back about 5 days ago and already feel much better. I didn't completely eliminate all the foods that I was sensitive to but I cut way back and I can tell a huge difference."

**Customer**



"Very affordable. Fast results. Extremely detailed and really insightful! I've learnt so much about why I feel certain ways after doing or consuming certain things. Really looking forward to implementing some changes to see how my body responds, now that I have the knowledge about what I respond well to."

**Mrs Whitehouse**



"Life changing results. After having pain in my gut for months. Having every test available with my GP. The sensitivities all made sense - now I can adjust my diet. Finally got the answers I was looking for. Took a couple weeks for the results and I was super eager. But customer service support was great."

**Emily Poulton**



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# Food & drink sensitivity analysis



## What is a food sensitivity?

Food sensitivity happens when the body has difficulty digesting a particular food. Having food sensitivity can cause symptoms such as bloating, bowel movement changes, headaches and fatigue. It can also contribute towards symptoms experienced by those with chronic conditions such as irritable bowel syndrome, chronic fatigue, arthritis, autism and ADD/ADHD.



## What is a food allergy?

Food sensitivity should not be confused with food allergy. This test is for food sensitivity ONLY. Food allergy symptoms include coughing, sneezing, runny nose/eyes, itchy mouth/eyes, swelling of the lips/face, rashes, worsening of eczema and/or asthma, wheezing, breathing difficulties, vomiting, diarrhoea and, in rare cases, anaphylaxis. Testing for food allergy can only be done through a blood, skin prick or patch test. If you suspect you have food allergy please see your physician.

## Interpreting your results

To help you with this your food sensitivity ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### High Reactivity

These are the food items that our testing shows you are most likely to have a sensitivity to or that fall outside of range. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet.



### Moderate Reactivity

These are the food items that our testing shows you may have a sensitivity to. We would recommend the removal of these items from your daily diet for 4-6 weeks using a structured elimination diet.



### No Reactivity

These are the items that our testing shows you do not have sensitivity to or are within optimal range



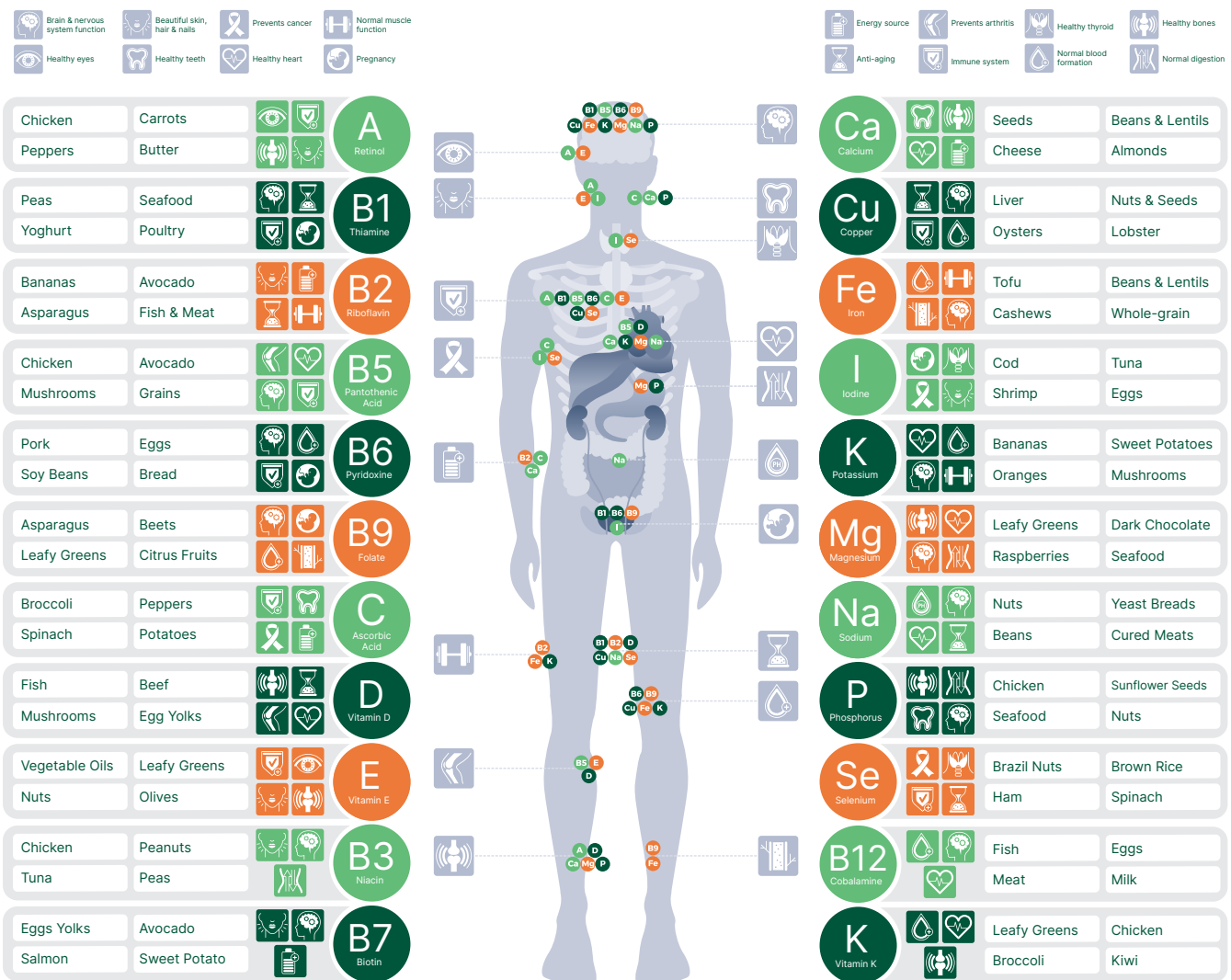
# Food & drink sensitivities

## The role of food types

As well as providing energy for the body food also contains nutrients in the form of vitamins and minerals. Vitamins and minerals are considered essential as they enable the body to complete literally hundreds of tasks, which are vital for day-to-day function, health and wellbeing. To name a few vitamins and minerals facilitate energy production, hormone production, wound healing, immune system function, blood clotting and foetal development.

The diagram below gives an overview of a few of the richest sources of each nutrient and some of the functions it performs within the body. You can refer to this diagram to ensure that in removing items from the diet you replace the relevant nutrients through other dietary sources.

## Vitamins & Minerals



## Everyday Foods

It is common for a food item consumed in the daily diet or very frequently, to test as a moderate or high sensitivity item. This can happen with food sensitivity and may be due to the body suddenly struggling to process or breakdown particular constituents of the food. This could be caused by overconsumption of a food group or could be down to an imbalance in gut bacteria or the presence of low-level inflammation in the gut.

Whatever the cause do not despair. We are talking about food sensitivity and NOT allergy; therefore completing a food elimination diet with subsequent reintroduction can help. This may mean you need to eliminate a favourite food or staple in your diet for a period of weeks but you will be able to reintroduce the item. Eliminating food items for a period of time can allow the gut time to 'rest' from trigger foods and the reintroduction of items can allow you to assess how a food or food group makes you feel.

## Gut Nourishment

In most cases carrying out an elimination diet is enough to improve symptoms and allow for a greater understanding of any foods, which aren't agreeing with the body. It is also worth considering the nourishment of the digestive tract and addressing any gut bacteria imbalances to further improve gut function and reduce digestive symptoms.

### Complementary Alternative Medicine (CAMs)

Our food sensitivity tests are carried out using bioresonance therapy and is categorised under Complementary and Alternative Medicines (CAMs) which covers a wide range of therapies that fall outside mainstream medicine. Tests and related information provided do not make a medical diagnosis nor is it intended to be a substitute for professional medical advice, diagnosis or treatment.

Always seek the advice of your doctor or other qualified health provider if you have a medical condition or with any questions you may have regarding a medical condition and/or medical symptoms.

# Sources of vitamins

## Water-soluble vitamins

### B Vitamins

Oats, whole wheat, rye, buckwheat, brown rice, Brewer's yeast, peanuts, mushrooms, soybean flour and soybeans, split peas, pecans, sunflower seeds, lentils, cashews, chickpeas, broccoli, hazelnuts, peppers.

### B12

Oysters, mussels, scallops, liver, mackerel, tuna, salmon, sardines, crab, beef, eggs, yogurt, Swiss cheese, fortified products.

### Vitamin C

Red peppers, guavas, kale, kiwi, broccoli, Brussel sprouts, strawberries, raspberries, blackberries, blueberries, oranges, tomatoes, peas, mange tout, papaya, mango, pineapple, melon.

## Fat-soluble vitamins

### Vitamin A

(Retinol) Liver, beef, lamb, cod liver oil, mackerel, salmon, tuna, paté, goat's cheese, eggs, cheddar, cream cheese, butter, goat's cheese.

### Beta Carotene

(Precursor to vitamin A) Sweet potato, carrots, kale, spinach, collards, Swiss chard, pak choi, butternut squash, pumpkin, cos lettuce, romaine lettuce, mango, dried apricots, prunes, peaches, melon, red peppers, tuna fish, mackerel, butter.

### Vitamin D

Salmon, trout, swordfish, mackerel, tuna, buttermilk, some yogurt, mushrooms, eggs, fortified products.

### Vitamin E

Spinach, kale, broccoli, Swiss chard, turnip greens, collards, avocado, almonds, hazelnuts, pistachios, sunflowers seeds, prawn/shrimp, crayfish, salmon, smoked salmon, swordfish, herring, trout, olive oil, sunflower oil, sweet potato, squashes, kiwi, mango, peach, nectarines, apricots, guava, raspberries, blackberries.

### Vitamin K

Kale, spinach, mustard greens, spring onions, cress, basil, thyme, coriander, sage, parsley, Brussel sprouts, cabbage, chilli powder, paprika, fennel, leeks.

## Minerals

### Calcium

Watercress, kale, broccoli, low fat mozzarella, low fat cheddar, yogurt, pak choi, tofu, sugar snap peas, almonds, tinned sardines in oil with bones, tinned pink salmon.

### Magnesium

Buckwheat, rye, millet, brown rice, whole wheat, kelp, almonds, cashews, brazil nuts, peanuts, walnuts, tofu, coconut, soya beans, figs, apricots, dates, prawns, corn, avocado, spinach, kale, broccoli swiss chard, turnip greens, collards.

### Zinc

Rye, spinach, beef, lamb, pumpkin seeds, sesame seeds, sunflower seeds, cashew nuts, cocoa powder, dark chocolate, pork, chicken, chickpeas, baked beans, mushrooms.

**Iron**

Rye, whole wheat, pumpkin seeds, sunflower seeds, sesame seeds, chicken liver, oysters, mussels, clams, cashews, pine nuts, hazelnuts, peanuts, almonds, beef, lamb, lentils, white beans, soybeans, kidney beans, chickpeas, lima beans, oatmeal, spinach, Swiss chard, kale, dark chocolate.

**Manganese**

Rye, oats, brown rice, barley, mussels, hazelnuts, pine nuts, pecans, lima beans, chickpeas, aduki beans, lentils, pumpkin seeds, sesame seeds, sunflower seeds, pineapple, spinach, kale, tofu, soybeans, sweet potato, blueberries, raspberries, strawberries.

**Copper**

Rye, oats, sesame seeds, cashews, soybeans, mushrooms, sunflower seeds, tempeh, garbanzo beans, lentils, walnuts, lima beans, liver, spirulina, dark chocolate, collard greens, Swiss chard, spinach, kale.

**Phosphorus**

Brown rice, oats, rye, whole wheat, chicken, turkey, pork, liver, sardines, scallops, salmon, mackerel, crab, milk, yogurt, cottage cheese, sunflower seeds, pumpkin seeds, Brazil nuts, pine nuts, almonds, pistachios, cashews.

**Potassium**

Dried apricots, salmon, mackerel, tuna, monkfish, white beans, lentils, kidney beans, avocado, butternut squash, spinach, mushrooms, bananas, potatoes, low fat yogurt.

**Selenium**

Brazil nuts, brown rice, rye, whole wheat, mushrooms, shrimp, sardines, oysters, tuna, sunflower seeds, liver, eggs, beef, turkey, cottage cheese.

# Botanical analysis



## What is a botanical sensitivity?

Botanicals such as plants, flowers, shrubs and trees can cause the body to react, which can lead to the production of symptoms such as headaches and fatigue. If you suspect you have an allergy please see your physician. It is important to note that this is not an allergy test. Any known pollen allergies you know you have may or may not come up in this test.

## Interpreting your results

Your botanical sensitivity ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### High Reactivity

These are the botanical items that our testing shows you are most likely to have a sensitivity to or that fall outside of range. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet.



### Moderate Reactivity

These are the botanical items that our testing shows you may have a sensitivity to. We would recommend the removal of these items from your daily diet for 4-6 weeks using a structured elimination diet.



### No Reactivity

These are the botanical items that our testing shows you do not have sensitivity to or are within optimal range



# Metals analysis



## What is metal exposure?

We are all exposed to metals to differing levels on a daily basis through industrial exposure, pollution, foods, or medications. Some of us may be more sensitive than others to exposure.

## What to do if you have high levels of exposure?

For optimal health it is recommended to look at lowering your day-to-day level of exposure. Consider your environment, the foods you eat, water, cosmetics and cleaning products.

The body is constantly detoxifying things from your everyday environment such as chemicals in foods, cosmetics and cleaning products, caffeine, alcohol, medications and even your own hormones. You can help your body with detoxification processes by ensuring you; drink plenty of filtered water, eat a diet that is as wholefood as possible, avoid processed foods, reduce caffeine and/or alcohol consumption, lower nicotine usage and exercise regularly.

## Interpreting your results

Your metal sensitivity ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.

Ideally the metals will show no reactivity in testing. If however there are metals identified as moderate or high reactivity do not panic. Through lowering daily exposure and helping your body with detoxification processes your body can reduce its own toxicity levels.



### High Reactivity

These are the botanical items that our testing shows you are most likely to have a sensitivity to or that fall outside of range. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet.



### Moderate Reactivity

These are the botanical items that our testing shows you may have a sensitivity to. We would recommend the removal of these items from your daily diet for 4-6 weeks using a structured elimination diet.



### No Reactivity

These are the botanical items that our testing shows you do not have sensitivity to or are within optimal range



## Potential sources in your environment

Heavy metals are a part of our everyday life and at low levels are detoxified by the body causing no issue. However it is beneficial to have a greater awareness of where you may come into contact with metals and therefore help you reduce your potential exposure.

**Food** – Pesticides, insecticides and herbicides used on crops can lead to contaminated food produce. Contaminated water can result in fish and seafood containing heavy metals.

**Water** – Pipework that water runs through is the most likely cause of any heavy metals in drinking water. For this reason it is always best to filter your water.

**Air** – Pollution from vehicles such as cars, trains and aeroplanes contributes to heavy metals, which can be inhaled. Industrial factories and agricultural areas, which use pesticides on crops are also ways metals get into the air we breathe. Cosmetics – Lead, arsenic, mercury, aluminium,

zinc and chromium can be found in many cosmetics such as lipstick, whitening toothpaste, eyeliner, nail polish, moisturiser, sunscreen, foundation, blusher, concealer and eye drops. Some metals are added as ingredients whilst others are contaminants.

**Cleaning products** – Everyday household cleaning products like polish, all purpose sprays and garden products like insecticides and pesticides contain heavy metals.



# Metal potential sources

## **Aluminium**

Can be found in: Cans, foils, kitchen utensils, window frames and beer kegs

## **Antimony**

Can be found in: Batteries, low friction metals and cable sheathing

## **Argon**

Can be found in: Welding and light bulbs

## **Arsenic**

Can be found in: Rat poisons and insecticides

## **Barium**

Can be found in: Paints, fireworks, some medicines and the process of making glass

## **Beryllium**

Can be found in: Springs, electrical contacts and spot-welding electrodes

## **Bismuth**

Can be found in: Usually mixed with other metals

## **Boron**

Can be found in: Clay pots, detergent, glass, flares and fibreglass

## **Bromine**

Can be found in: Flame-retardants, water purification systems and dyes

## **Cadmium**

Can be found in:  
Re-chargeable batteries

## **Caesium**

Can be found in: Atomic clocks and photoelectric cells

## **Cerium**

Can be found in: Air conditioners, computer and ovens

## **Chlorine**

Can be found in: Bleach, papermaking, swimming pools

## **Chromium**

Can be found in: Stainless steel cutlery, wood preservatives, dyes and pigments

## **Cobalt**

Can be found in: Cutting tools and dyes

## **Copper**

Can be found in: Electrical generators and motors.

## **Dysprosium**

Can be found in: Lasers and many alloys

## **Fluorine**

Can be found in: Toothpaste and etched glass

## **Gadolinium**

Can be found in: Many alloys

## **Gallium**

Can be found in: Electronics, alloys and thermometers

## **Germanium**

Can be found in: Glass lenses, fluorescent lights, electronics and many alloys

## **Gold**

Can be found in: Jewellery

## **Hafnium**

Can be found in: Many alloys

## **Holmium**

Can be found in: Lasers

## **Indium**

Can be found in: Electronics and mirrors

## **Iridium**

Can be found in: Alloys and materials that need to withstand high temperatures

## **Lead**

Can be found in: Lead-acid storage batteries

## **Lithium**

Can be found in: Rechargeable non-rechargeable batteries, some medications and alloys

## **Mercury**

Can be found in: Batteries, fluorescent lights, felt production, thermometers and barometers

## **Molybdenum**

Can be found in: Many alloys

## **Nickel**

Can be found in: Stainless steel

## **Palladium**

Can be found in: Car exhaust manufacture, dental fillings and jewellery

## **Platinum**

Can be found in: Jewellery, decoration and dental work

## **Radium**

Can be found in: Some medicines and glowing paints

## **Rhenium**

Can be found in: Many alloys and flash photography

## **Rhodium**

Can be found in: Spark plugs and highly reflective materials

## **Rubidium**

Can be found in: Many alloys and amalgams

## **Ruthenium**

Can be found in: Many alloys and corrosion resistant metals

## **Samarium**

Can be found in: Many alloys and audio equipment

## **Silicon**

Can be found in: Glass, pottery, computer chips and bricks

## **Silver**

Can be found in: Jewellery

## **Strontium**

Can be found in: Firework production, tin cans (food)

## **Sulphur**

Can be found in: Medicines, fertilisers, fireworks and matches

## **Tantalum**

Can be found in: Surgical equipment and camera lenses

## **Tin**

Can be found in: Alloying metal

## **Titanium**

Can be found in: Alloying metal

## **Vanadium**

Can be found in: Alloying metal

## **Zinc**

Can be found in: Many alloys, paint, fluorescent lights and the process of making plastic

## **Zirconium**

Can be found in: Corrosion resistant alloys, magnets and some gem stones

# Additives analysis



## What are additives?

Additives are substances, which are added to food for a specific reason such as; to improve the look or taste of a food, to preserve a food and make it last longer on the shelf, to aid food processing and manufacturing, to stabilise a food and keep it safe to eat.

The main types of additives are colourings, flavour enhancers, sweeteners, antioxidants, emulsifiers, stabilisers and preservatives. They can be natural, man-made but nature identical or artificial.

## Interpreting your results

Your additive ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### High Reactivity

These are the additives that our testing shows you are most likely to have a sensitivity to or that fall outside of range. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet.



### Moderate Reactivity

These are the additives that our testing shows you may have a sensitivity to. We would recommend the removal of these items from your daily diet for 4-6 weeks using a structured elimination diet.



### No Reactivity

These are the additives that our testing shows you do not have sensitivity to or are within optimal range

If you would like further information on a particular additive we have set out a variety of different sources you can use. You will find details of the full name of each additive on the next page.

**This website** gives the names of branded products, which contain a given additive. Search the database using the full name of the additive rather than the number. For example under 'search for a product' put aspartame rather than E951.

# E-numbers explainer

## Colourings

<b>E 100</b>	Curcumin	<b>E 133</b>	Brilliant blue FCF	<b>E 160 d</b>	Lycopene
<b>E 101</b>	Riboflavin (vit. B2), riboflavin – 5' – phosphate	<b>E 140</b>	Chlorophylls and chlorophyllins	<b>E 160 e</b>	Beta - apo - 8' – carotenal, (carotinoid)
<b>E 102</b>	Tartrazine	<b>E 141</b>	Chlorophyllins (Cu complexes)	<b>E 160 f</b>	Ethyl ester of beta - apo - 8' – carotenoic acid
<b>E 104</b>	Quinoline yellow	<b>E 142</b>	Green S	<b>E 161 b</b>	Lutein
<b>E 110</b>	Sunset yellow FCF, orange yellow S	<b>E 150 a</b>	Caramel	<b>E 161 g</b>	Canthaxanthin
<b>E 120</b>	Cochineal, carminic acid, carmines	<b>E 150 b</b>	Caustic sulphite caramel	<b>E 162</b>	Beetroot red (betanin)
<b>E 122</b>	Carmoisine	<b>E 150 c</b>	Ammonia caramel	<b>E 163</b>	Anthocyanins
<b>E 123</b>	Amaranth	<b>E 150 d</b>	Ammonia sulphite caramel	<b>E 170</b>	Calcium carbonate
<b>E 124</b>	Ponceau 4R	<b>E 151</b>	Brilliant black BN, black PN	<b>E 171</b>	Titanium dioxide
<b>E 127</b>	Erythrosine	<b>E 153</b>	Vegetable carbon	<b>E 172</b>	Iron oxides, iron hydroxides
<b>E 128</b>	Red 2 G	<b>E 154</b>	Brown FK	<b>E 173</b>	Aluminium
<b>E 129</b>	Allura red AC	<b>E 155</b>	Brown HT	<b>E 174</b>	Silver
<b>E 131</b>	Patent blue V	<b>E 160 a</b>	Carotene (mixed carotenes, beta-carotenes)	<b>E 175</b>	Gold
<b>E 132</b>	Indigo carmine	<b>E 160 b</b>	Annatto, bixin, norbixin	<b>E 180</b>	Lithol rubine BK
		<b>E 160 c</b>	Capsanthin, capsorubin		

## Preservatives

<b>E 200</b>	Sorbic acid	<b>E 222</b>	Sodium hydrogen sulphite (sulphur dioxide)	<b>E 260</b>	Acetic acid
<b>E 202</b>	Potassium sorbate, sorbic acid	<b>E 223</b>	Sodium metabisulphite (sulphur dioxide)	<b>E 261</b>	Potassium acetate, salt of acetic acid
<b>E 203</b>	Calcium sorbate, sorbic acid	<b>E 224</b>	Potassium metabisulphite (sulphur dioxide)	<b>E 262</b>	Sodium acetate, salt of acetic acid
<b>E 210</b>	Benzoic acid	<b>E 226 c</b>	Calcium sulphite (sulphur dioxide)	<b>E 263</b>	Calcium acetate, salt of acetic acid
<b>E 211</b>	Sodium benzoate, benzoic acid	<b>E 227</b>	Calcium hydrogen sulphite (sulphur dioxide)	<b>E 270</b>	Lactic acid
<b>E 212</b>	Potassium benzoate, benzoic acid	<b>E 228</b>	Potassium hydrogen sulphite (sulphur dioxide)	<b>E 280</b>	Propionic acid
<b>E 213</b>	Calcium benzoate, benzoic acid	<b>E 230</b>	Biphenyl, diphenyl	<b>E 281</b>	Sodium propionate, propionic acid
<b>E 214</b>	Ethyl-para-hydroxybenzoate (PHB-ester)	<b>E 231</b>	Orthophenylphenol	<b>E 282</b>	Calcium propionate, propionic acid
<b>E 215</b>	Sodium ethyl-para-hydroxy benzoate (PHB-ester)	<b>E 232</b>	Sodium orthophenylphenate, orthophenylphenol	<b>E 283</b>	Potassium propionate, propionic acid
<b>E 216</b>	Propyl-para-hydroxybenzoate (PHB ester)	<b>E 233</b>	Thiabendazole	<b>E 284</b>	Boric acid
<b>E 217</b>	Sodiumpropyl-para-hydroxy benzoate (PHB-ester)	<b>E 234</b>	Nisin	<b>E 285</b>	Sodium tetraborate, boric acid
<b>E 218</b>	Methyl-para-hydroxybenzoate (PHB-ester)	<b>E 235</b>	Natamycin	<b>E 290</b>	Carbon dioxide, carbonic acid
<b>E 219</b>	Sodium methyl-para-hydroxy benzoate (PHB-ester)	<b>E 239</b>	Hexamethylene-tetramine	<b>E 296</b>	Malic acid
<b>E 220</b>	Sulphur dioxide	<b>E 242</b>	Dimethyl dicarbonate	<b>E 297</b>	Fumaric acid
<b>E 221</b>	Sodium sulphite (sulphur dioxide)	<b>E 249</b>	Potassium nitrite		
		<b>E 250</b>	Sodium nitrite		
		<b>E 251</b>	Sodium nitrate		
		<b>E 252</b>	Potassium nitrate		

## Antioxidants

<b>E 300</b>	Ascorbic acid (L-) (vitamin C)	<b>E 325</b>	Sodium lactate (salts from lactic acid)	<b>E 340</b>	Monopotassium phosphate, dipotassium p.
<b>E 301</b>	Sodium L-ascorbate (ascorbic acid)	<b>E 326</b>	Potassium lactate (salts from lactic acid)	<b>E 341</b>	tripotassium p.
<b>E 302</b>	Calcium L-ascorbate (ascorbic acid)	<b>E 327</b>	Calcium lactate (salts from lactic acid)	<b>E 350</b>	Monocalcium phosphate, dicalcium p., tricalcium p
<b>E 304</b>	Ascorbyl palmitate/ ascorbyl stearate	<b>E 330</b>	Citric acid	<b>E 351</b>	Sodium malate, sodium hydrogen malate
<b>E 306</b>	Natural tocopherols (vitamin E)	<b>E 331</b>	Monosodium citrate, disodium c., trisodium c.	<b>E 352</b>	Potassium malate (salts from malic acid)
<b>E 307</b>	Synthetic alpha-tocopherol (tocopherol)	<b>E 332</b>	Monopotassium citrate, tripotassium c.	<b>E 353</b>	Calcium malate, calcium hydrogen m.
<b>E 308</b>	Synthetic gamma-tocopherol (tocopherol)	<b>E 333</b>	Monocalcium citrate, dicalcium c., tricalcium c.	<b>E 354</b>	Metatartaric acid
<b>E 309</b>	Synthetic delta-tocopherol (tocopherol)	<b>E 334</b>	Tartaric acid (L+), tartaric acid	<b>E 355</b>	Calcium tartrate (salts from malic acid)
<b>E 310</b>	Propyl gallate (gallate)	<b>E 335</b>	Monosodium tartrate, disodium tartrate	<b>E 356</b>	Adipic acid
<b>E 311</b>	Octyl gallate (gallate)	<b>E 336</b>	Monopotassium tartrate, dipotassium tartrate	<b>E 357</b>	Sodium adipate
<b>E 312</b>	Dodecyl gallate (gallate)	<b>E 337</b>	Sodium potassium tartrate (salts from tartaric acid)	<b>E 363</b>	Potassium adipate
<b>E 315</b>	Isoascorbic acid	<b>E 338</b>	Orthophosphoric acid, phosphoric acid	<b>E 380</b>	Succinic acid
<b>E 316</b>	Sodium isoascorbate	<b>E 339</b>	Monosodium phosphate, disodium p., trisodium p.	<b>E 385</b>	Triammonium citrate (salts from citric acid)
<b>E 320</b>	Butylated hydroxyanisole (BHA)				Calcium sodium ethylene diamine tetra-acetate (EDTA)
<b>E 321</b>	Butylated hydroxytoluene				
<b>E 322</b>	Lecithins				

## Thickening, setting and moisturising agents

<b>E 400</b>	Alginic acid, alginate	<b>E 406</b>	Agar	<b>E 415</b>	Xanthan gum
<b>E 401</b>	Sodium alginate, alginate	<b>E 407</b>	Carrageenan	<b>E 417</b>	Tara meal
<b>E 402</b>	Potassium alginate, alginate	<b>E 407 a</b>	Eucheuma algae, treated	<b>E 418</b>	Gellane
<b>E 403</b>	Ammonium alginate, alginate	<b>E 410</b>	Locust bean gum, carob gum	<b>E 420</b>	Sorbit, sorbit syrup
<b>E 404</b>	Calcium alginate, alginate	<b>E 412</b>	Gua gum	<b>E 421</b>	Mannite
<b>E 405</b>	Propylene glycol alginate, alginate	<b>E 413</b>	Tragacanth	<b>E 422</b>	Glycerine
		<b>E 414</b>	Gum arabic		

## Emulsifiers

<b>E 432</b>	Polyoxyethylene-sorbitan-monolaurate (polysorbate 20)	<b>E 452</b>	Polyphosphates	<b>E 472 e</b>	Diacetyltartaric acid esters of mono and diglycerides
<b>E 433</b>	Polyoxyethylene-sorbitan-monooleate (polysorbate 80)	<b>E 460</b>	Cellulose, microcrystalline cellulose, cellulose powder	<b>E 472 f</b>	Mixed esters of mono and diglycerides
<b>E 434</b>	Polyoxyethylene-sorbitan-monopalmitate (polysorbate 40)	<b>E 461</b>	Methylcellulose	<b>E 473</b>	Sucrose esters of mono and diglycerides
<b>E 435</b>	Polyoxyethylene-sorbitan-monostearate (polysorbate 60)	<b>E 463</b>	Hydroxypropylcellulose	<b>E 474</b>	Sucroglycerides
<b>E 436</b>	Polyoxyethylene-sorbitan-tristearate (polysorbate 65)	<b>E 464</b>	Hydroxypropylmethylcellulose	<b>E 475</b>	Polyglycerol esters of fatty acids
<b>E 440</b>	Pectin, amidated pectin	<b>E 465</b>	Methylethylcellulose	<b>E 476</b>	Polyglycerol polyricinoleate
<b>E 442</b>	Ammonium phosphatides	<b>E 466</b>	Carboxymethylcellulose	<b>E 477</b>	Propylene glycol esters of fatty acids
<b>E 444</b>	Sucrose-acetate-isobutyrate	<b>E 470 a</b>	Sodium-, potassium- and calcium salts	<b>E 479</b>	Thermo-oxidised soya oil
<b>E 445</b>	Glycerol esters of wood resin	<b>E 470 b</b>	Magnesium salts of fatty acids	<b>E 481</b>	Sodium stearyl-2-lactylate
<b>E 450</b>	Potassium and sodium diphosphates	<b>E 471</b>	Mono- and diglycerides	<b>E 482</b>	Calcium stearyl-2-lactylate
<b>E 451</b>	Potassium and sodium triphosphates	<b>E 472 a</b>	Acetic acid esters of mono and diglycerides	<b>E 483</b>	Stearyl tartrate
		<b>E 472 b</b>	Lactic acid esters of mono and diglycerides	<b>E 491</b>	Sorbitan monostearate
		<b>E 472 c</b>	Citric acid esters of mono and diglycerides	<b>E 492</b>	Sorbitan tristearate
		<b>E 472 d</b>	Tartaric acid esters of mono and diglycerides	<b>E 493</b>	Sorbitan monolaurate
				<b>E 494</b>	Sorbitan monooleate
				<b>E 495</b>	Sorbitan monopalmitate



## Miscellaneous additives

<b>E 500</b>	Sodium carbonate, sodium hydrogen carbonate, sodium sesquicarbonate	<b>E 516</b>	Calcium sulphate	<b>E 551</b>	Silicon dioxide (silica)
<b>E 501</b>	Potassium carbonate, potassium hydrogen carbonate	<b>E 517</b>	Ammonium sulphate	<b>E 552</b>	Calcium silicate
<b>E 503</b>	Ammonium carbonate, A.-hydrogen carbonate	<b>E 520</b>	Aluminium sulphate	<b>E 553 a</b>	Magnesium silicate, magnesium trisilicate
<b>E 504</b>	Magnesium carbonate, M.-hydrogen carbonate	<b>E 521</b>	Aluminium sodium sulphate	<b>E 553 b</b>	Talc
<b>E 507</b>	Hydrochloric acid	<b>E 522</b>	Aluminium potassium sulphate	<b>E 554</b>	Aluminium sodium silicate
<b>E 508</b>	Potassium chloride	<b>E 523</b>	Aluminium ammonium sulphate	<b>E 555</b>	Aluminium potassium silicate
<b>E 509</b>	Calcium chloride	<b>E 524</b>	Sodium hydroxide	<b>E 556</b>	Aluminium calcium silicate
<b>E 511</b>	Magnesium chloride	<b>E 525</b>	Potassium hydroxide	<b>E 558</b>	Bentonite
<b>E 512</b>	Tin II Chloride	<b>E 526</b>	Calcium hydroxide	<b>E 559</b>	Aluminium silicate (kaolin)
<b>E 513</b>	Sulphuric acid	<b>E 527</b>	Ammonium hydroxide	<b>E 570</b>	Stearic acid (fatty acids)
<b>E 514</b>	Sodium sulphate, sodium hydrogen sulphate	<b>E 528</b>	Magnesium hydroxide	<b>E 574</b>	Gluconic acid
<b>E 515</b>	Potassium sulphate, potassium hydrogen sulphate	<b>E 529</b>	Calcium oxide	<b>E 575</b>	Glucono-delta-lactone
		<b>E 530</b>	Magnesium oxide	<b>E 576</b>	Sodium gluconate
		<b>E 535</b>	Sodium ferrocyanide	<b>E 577</b>	Potassium gluconate
		<b>E 536</b>	Potassium ferrocyanide	<b>E 578</b>	Calcium gluconate
		<b>E 538</b>	Calcium ferrocyanide	<b>E 579</b>	Iron-II-gluconate
		<b>E 541</b>	Sodium aluminium phosphate, acidic	<b>E 585</b>	Iron-II-lactate

## Flavour enhancers

<b>E 620</b>	Glutamic acid	<b>E 626</b>	Guanylic acid, guanylate	<b>E 635</b>	Disodium 5'-ribonucleotide
<b>E 621</b>	Monosodium glutamate, sodium glutamate	<b>E 627</b>	Disodium guanylate, guanylate	<b>E 640</b>	Glycine and its sodium salts
<b>E 622</b>	Monopotassium glutamate, potassium glutamate	<b>E 628</b>	Dipotassium guanylate, guanylate	<b>E 900</b>	Dimethylpolysiloxane
<b>E 623</b>	Calcium diglutamate, calciumglutamate	<b>E 629</b>	Calcium guanylate, guanylate	<b>E 901</b>	Bees wax, white and yellow
<b>E 624</b>	Monoammonium glutamate, ammonium glutamate	<b>E 630</b>	Inosinic acid, ionisate	<b>E 902</b>	Candelilla wax
<b>E 625</b>	Magnesium diglutamate, magnesium glutamate	<b>E 631</b>	Disodium ionisate, ionisate	<b>E 903</b>	Carnauba wax
		<b>E 632</b>	Dipotassium ionisate, ionisate	<b>E 904</b>	Shellac
		<b>E 633</b>	Dicalcium ionisate	<b>E 912</b>	Montanic acid ester
		<b>E 634</b>	Calcium 5'-ribonucleotide	<b>E 914</b>	Polyethylene wax oxidates
				<b>E 927</b>	vCarbanide
				<b>E 938</b>	Argon

## Sweeteners

<b>E 939</b>	Helium	<b>E 1105</b>	Lysozyme	<b>E 1422</b>	Acetylated di-starch adipate (modified starch)
<b>E 941</b>	Nitrogen	<b>E 1200</b>	Polydextrose	<b>E 1440</b>	Hydroxypropyl starch (modified starch)
<b>E 942</b>	Nitrous oxide	<b>E 1201</b>	Polyvinylpyrrolidone	<b>E 1442</b>	Hydroxypropyl di-starch phosphate (modified starch)
<b>E 948</b>	Oxygen	<b>E 1202</b>	Polyvinyl polypyrrolidone	<b>E 1450</b>	Starch sodium octenylsuccinate (modified starch)
<b>E 950</b>	Acesulfame K, acesulfame	<b>E 1404</b>	Oxidised starch	<b>E 1505</b>	Triethyl citrate
<b>E 951</b>	Aspartame	<b>E 1410</b>	Monostarch phosphate (modified starch)	<b>E 1518</b>	Glycerine triacetate (triacetin)
<b>E 952</b>	Cyclamate, cyclohexane sulphamide acid	<b>E 1412</b>	Di-starch phosphate (modified starch)		
<b>E 953</b>	Isomalt	<b>E 1413</b>	Phosphatised di-starch phosphate (modified starch)		
<b>E 954</b>	Saccharin	<b>E 1414</b>	Acetylated di-starch phosphate (modified starch)		
<b>E 957</b>	Thaumatococcus	<b>E 1420</b>	Acetylated starch (modified starch)		
<b>E 959</b>	Neohesperidin DC				
<b>E 965</b>	Maltitol, maltitol syrup				
<b>E 966</b>	Lactitol				
<b>E 967</b>	Xylitol				
<b>E 999</b>	Quillaia extract				



# Gut health analysis

## Why is gut health important?

Each person has their own unique combination of bacteria, which is established and develops through their environment but also, and importantly, the food choices made. The presence and balance of bacteria within the gut is now known to be of great importance for our health and wellbeing. Factors such as elevated stress levels, a diet low fibre and/or high in sugar and the usage of antibiotics can greatly affect our levels and balance of bacteria.

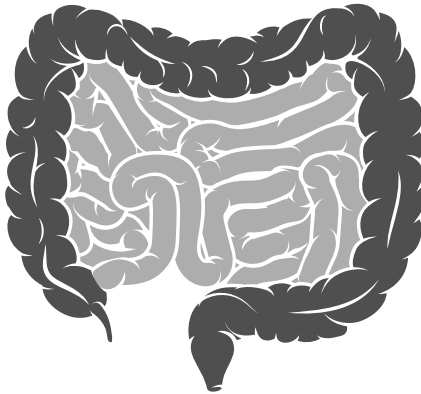
## Intestinal flora affects your health

The microbes that live inside your intestines influence your health in beneficial and harmful ways

**Immunity**  
Providing a physical barrier to invasive microbes, our gut flora enhances the functionality of the immune system.

**Vitamins**  
Bacteria in the gut plays a direct role in the synthesis of vitamins B and K as well as the absorption of calcium and iron.

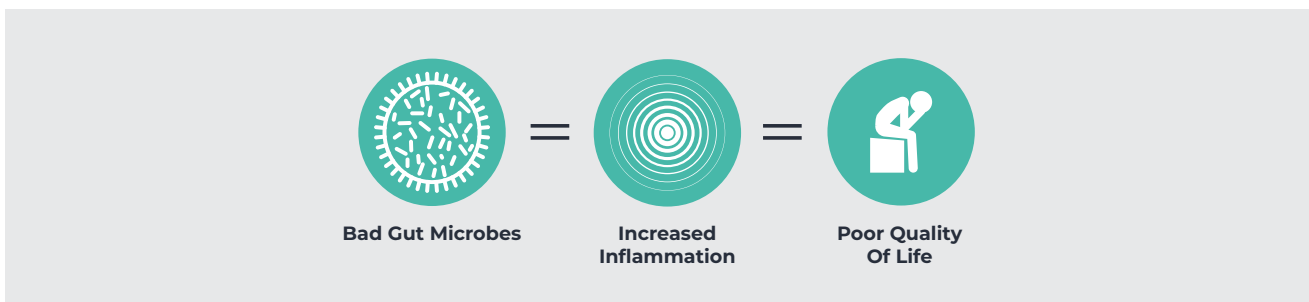
**Metabolism**  
Metabolic activity of the gut flora allows our body to utilize food that would otherwise not be digested.



**Obesity**  
In 2009, Dr. Krajmalnic-Brown discovered gut bacteria of obese patients differs significantly from normal individuals.

**Inflammation**  
Gut flora likely plays a major role in the development of various inflammatory diseases including IBD and colitis.

**Autism**  
New research by Dr. Krajmalnic-Brown suggests a link between autism and decreased gut bacterial diversity.



## What can be done to improve gut health?

The food choices we make have great impact on the levels of beneficial bacteria in our guts. Probiotic foods are those that contain live micro-organisms and can positively affect the levels of bacteria in the gut. Probiotic foods are those such as good quality live yogurt, kefir, sauerkraut, miso, tempeh, kimchi, goat's cheese, olives, good quality dark chocolate and spirulina.

Bacteria need to feed on insoluble fibre foods, known as prebiotic foods, from our diet in order to flourish. Prebiotic foods include onion, garlic, leeks, cabbage, asparagus, chicory, artichoke, banana, apple, wheat bran, flaxseed and root vegetables.

# Digestion analysis

## Digestive health

In order to benefit from the nutrients and energy in our food we need to break it down and absorb it. The digestive process enables this to happen by releasing enzymes in the mouth, stomach and small intestine. The enzymes we release are able to break down different parts of our food; amylase breaks down carbohydrate, lipase breaks down fat and there are a number of different proteases, which break down proteins. If levels of a certain digestive enzyme decreases digestion of that particular part of your food becomes less effective. For example a decrease in lipase may mean that fats are not being broken down as effectively and this could lead to malabsorption as well as possible symptoms, such as bloating or flatulence.



## Digestive health and the daily diet

Certain foods naturally contain enzymes, which can aid digestion such as pineapple, papaya, kiwi, bananas, mango, kefir, good quality natural yogurt, sauerkraut, kimchi, miso, soy sauce, tempeh and avocado. Adding such items into the diet can help the digestive process. Natural digestive enzyme supplements, based on pineapple and papaya are also available. Please note it is always recommended that any supplementation is taken under the advice and monitoring of a health professional.

## Interpreting your results

Your reactivity ratings for digestion will be broken down into within or outside of optimal range. These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### Outside range

These digestive enzyme levels fall outside the optimal range. We suggest taking steps to raise them to the optimal level.



### Within range

These digestive enzymes fall within the optimal range

# Anti-aging analysis

## Understanding the aging process

The aging process affects the skin in various ways and leads to visible changes in its appearance, texture, and function. These changes are influenced by genetics and natural aging as well as lifestyle and environmental exposures.

As we age we produce less collagen and elastin, these are proteins that provide support and elasticity to the skin. We also have decreased levels of hyaluronic acid, which keeps the skin hydrated. The combination of reduced collagen, elastin, and hyaluronic acid, can lead to a loss of skin firmness and elasticity, the development of fine lines and wrinkles, and dry, less youthful looking skin.

Adopting a comprehensive skincare routine can minimise the impact of the aging on the skin. This may include using sunscreen to protect the skin from UV damage, moisturising to maintain hydration and incorporating products with antioxidants and anti-aging ingredients. Healthy lifestyle choices, such as a balanced diet, regular exercise and avoiding smoking, can greatly contribute to maintaining skin health. Working with a dermatologist can provide personalised advice and treatment options.



## How can I improve collagen and hyaluronic acid levels?

Collagen and Hyaluronic Acid production does naturally decline in the body with age. Factors such as unprotected exposure to UV rays, pollution and tobacco smoke, can speed up this natural decline. The best way to maintain levels is through drinking plenty of water to maintain hydration and consuming foods that aid the body's production of them such as: bone broth, soy, tofu, oranges, kale, almonds, edamame, sweet potatoes, chicken, leafy greens, peppers, legumes. Equally you can supplement hyaluronic acid and collagen alongside a healthy diet.

## Interpreting your results

Your reactivity ratings for anti-aging will be broken down into either outside range or within optimal range). These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### Outside range

These anti-aging item levels fall outside the optimal range. We suggest taking steps to raise them to the optimal level.



### Normal range

These anti-aging item levels fall within the optimal range

# Stress and inflammation analysis

## Elevated stress levels

Stress is a physiological response that happens in the body when faced with challenges, demands, or changes that require adaptation or adjustment. It is a natural and automatic reaction that prepares the body to cope with various situations. Stress can be triggered by both external factors, such as work demands, relationships, or environmental changes, and internal factors, such as thoughts and emotions.

Whilst acute stress is short term, manageable and can be motivating for some, chronic stress can lead to chronically elevated cortisol levels, internal inflammation, and have negative effects on health. Stress and inflammation are closely related through complex biological pathways. Chronic stress can dysregulate the normal inflammatory response leading to prolonged and harmful inflammation.



## What is cortisol?

Cortisol is a steroid hormone produced by the adrenal glands, which are located on top of each kidney. Cortisol is often referred to as the stress hormone as it is released in response to acute stress as part of a normal and adaptive response. It also plays a crucial role in various other physiological processes within the body such as blood sugar regulation, metabolism, blood pressure regulation, and immune system function.

Chronic or prolonged elevated cortisol levels due to chronic stress or medical conditions can have negative effects on health such as a weakened immune system, weight gain, cardiovascular issues, digestive issues and it can impact mental health. Managing stress through healthy lifestyle habits, relaxation techniques, and seeking support when needed is crucial for maintaining balanced cortisol levels and overall well-being.

## What is inflammation and how is it linked to stress?

Internal inflammation is a mild yet chronic level of inflammation that occurs within the body. Unlike acute inflammation, which is a normal and essential response to injury or infection, low-grade chronic inflammation is characterised by a prolonged and subtle inflammatory response that can persist for weeks, months, or even years. Stress and inflammation are closely related through complex biological pathways. Chronic stress can dysregulate the normal inflammatory response leading to prolonged and harmful inflammation.

## Interpreting your results

Your reactivity ratings for stress and inflammation will be broken down into either outside range or within optimal range). These ratings will help you focus on specific reactivities, along with the relevant actions to take.

### **Outside range**

These stress & inflammation item levels fall outside the optimal range. We suggest taking steps to lower them to the optimal level.

### **Normal range**

These stress & inflammation item levels fall within the optimal range

## What contributes to chronic inflammation?

Many factors can contribute to low-grade, chronic inflammation such as:

- Diet
- Smoking
- Excessive alcohol intake
- High stress levels
- Taking certain medications
- Excess body fat or obesity
- Lack of exercise
- Lack of sleep
- Lack of certain nutrients
- Underlying health conditions

## How does the diet impact chronic inflammation?

Certain components in the diet can trigger the release of pro-inflammatory molecules in the body, which can lead to increased low-grade inflammation including saturated fats, trans fats, refined carbohydrates, and a high sugar diet. Reducing dietary intake of items associated with the promotion of an inflammatory state can greatly help reduce the level of inflammation in the body including:

- Refined carbohydrates, such as white bread and pastries
- Sugar and sugary foods/ drinks, such as sweets, fizzy drinks, sugar-sweetened drinks
- Fried foods
- Red meat and processed meat
- Margarine, shortening and lard.

On the other hand the diet can counteract inflammation in the body and help to reduce low-grade inflammation. Foods that are classed as 'anti-inflammatory' are those which possess anti-inflammatory properties such as antioxidants, polyphenols, omega-3 fatty acids and fibre. An anti-inflammatory diet includes plenty of fruit, vegetables, whole grains, legumes, nuts, seeds, olive oil, avocado and omega-3 rich foods including salmon and sardines.

Adopting a generally healthy daily diet such as the Mediterranean diet has been associated with reduced levels of inflammation. The Mediterranean diet is very much oriented around whole foods, lean protein sources, high fibre, healthy fats and limited pre-packaged and processed foods, which reduces the intake of inflammatory components and ensures a good consumption of anti-inflammatory nutrients, promoting a more balanced inflammatory response in the body.

Whilst an important aspect of managing inflammation, the diet is just one part. Regular exercise, stress management and sleep also play crucial roles in managing and reducing internal inflammation.

### **Quick stress management tips for a healthier you**

Your reactivity ratings for stress and inflammation will be broken down into either outside range or within optimal range). These ratings will help you focus on specific reactivities, along with the relevant actions to take.

#### **1. Exercise regularly**

Engage in activities like walking, jogging, yoga, or cycling to release stress-reducing endorphins.

#### **2. Practice mindfulness**

Try techniques like meditation, deep breathing, or guided imagery to stay present and reduce stress.

#### **3. Maintain a healthy diet**

Eat a balanced diet with fruits, veggies, lean proteins, and whole grains while minimizing caffeine and sugary foods.

#### **4. Prioritise quality sleep**

Aim for 7-9 hours of consistent, restful sleep to manage stress effectively.

#### **5. Use healthy coping methods**

Talk to a friend, write in a journal, enjoy a hobby, or spend time in nature to cope with stress positively.





# Sleep hormone analysis

## Low melatonin levels

A low level of melatonin is associated with sleep issues like finding it difficult to fall asleep, frequent waking or the inability to stay asleep, and waking early and not being able to fall back to sleep. Low melatonin levels also play a role in mood and stress disorders.

There are many factors that can affect sleep including:

- Stress, anxiety, and depression
- Certain medications
- Physical discomfort  
(chronic pain or restless leg syndrome)
- Lack of sleep hygiene - too much light or noise or no regular bedtime
- Blue light from screens before bed
- Lack of daylight exposure
- Too much caffeine or sugar in the diet
- Aging
- Alcohol intake



## What is melatonin?

Melatonin is a hormone naturally produced by the pineal gland, a small pea-sized gland located in the brain. It plays a vital role in regulating the sleep-wake cycle, also known as the circadian rhythm. Melatonin levels in the body increase in the evening and remain elevated throughout the night, promoting sleep and relaxation, and decrease in the morning, helping the body to awaken and maintain wakefulness during the day.

The natural production of melatonin is influenced by exposure to light with darkness stimulating the release of melatonin, signaling the body to prepare for sleep. Exposure to light, especially blue light emitted by electronic devices and certain light sources, can suppress melatonin production and interfere with the sleep-wake cycle.

In addition to its role in sleep regulation, melatonin also acts as an antioxidant, helping to protect cells from oxidative stress and damage, and is involved in the regulation of immune function, blood pressure, body temperature, and hormone production.

## Interpreting your results

Your reactivity ratings for sleep hormone Melatonin will be broken down into either outside range or within optimal range). This rating will help you focus on specific reactivities, along with the relevant actions to take.

### ● Outside range

Your melatonin levels fall outside the optimal range.  
We suggest taking steps to raise them to the optimal level.

### ● Normal range

Your melatonin levels fall within the optimal range

## How can I improve melatonin levels?

As well as addressing factors such as exposure to light, electronic devices before bed, room temperature, stress and pain, looking at the diet can also help improve levels.

Excellent sources of protein, magnesium, vitamin B12, and calcium are found in foods rich in melatonin and serotonin, such as:

- **Fish and seafood** - Oysters, mussels, scallops, liver, mackerel, tuna, salmon, crab, tinned sardines in oil with bones, tinned pink salmon
- **Meat** - Beef, chicken, turkey, pork
- **Dairy and eggs** - Milk, eggs, low fat mozzarella, low fat cheddar, yogurt
- **Nuts, seeds and legumes** - Peanuts, edamame beans, pumpkin seeds, oats, almonds, cashews, Brazil nuts, walnuts
- **Fruit and vegetables** - Bananas, figs, apricots, dates, spinach, kale, broccoli, swiss chard, turnip greens, collards, pak choi, sugar snap peas, watercress
- **Grains** - Buckwheat, rye, millet, brown rice, whole wheat

# Skin health analysis



## What is skin sensitivity?

Items, such as those containing fragrances, can cause the body to react, which can lead to the production of symptoms such as headaches and fatigue. If you suspect you have an allergy please see your physician. It is important to note that this is not an allergy test. Any known cosmetic allergies you know you have may or may not come up in this test.



## Interpreting your results

Your skin sensitivity ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.



### High Reactivity

These are the skin sensitivity items that our testing shows you are most likely to have a sensitivity to or that fall outside of range. We would recommend the removal of these items from your daily diet for 6-8 weeks using a structured elimination diet.



### Moderate Reactivity

These are the skin sensitivity items that our testing shows you may have a sensitivity to. We would recommend the removal of these items from your daily diet for 4-6 weeks using a structured elimination diet.



### No Reactivity

These are the skin sensitivity items that our testing shows you do not have sensitivity to or are within optimal range

# Nutrition analysis

## Low nutrition levels

There are recommended daily amounts of each vitamin and mineral that should be consumed on a daily basis and the essential amino acids need to be consumed through the daily diet.

Vitamin, mineral and amino acid requirements do vary from person to person depending upon life stage, activity level, stress level, health conditions and medications. Low vitamin, mineral and amino acids levels occur when the dietary intake is lower than required or when the body is struggling to effectively absorb nutrients from the diet.



## Why is a good daily diet important?

Good daily nutrition plays a central role in maintaining overall health and wellbeing. It is important for:

- Providing essential nutrients
- Supporting growth and development
- Aiding immune system function
- Cardiovascular health
- Support brain function
- Regulates blood sugar
- Aids digestive health
- Supports bone and joint health
- Reduces the risk of chronic disease
- Helps maintain body weight

## Interpreting your results

Your nutrition ratings will be broken down into either high, moderate or no reactivity ratings. These ratings will help you focus on specific reactivities, along with the relevant actions to take.

### Outside range

These nutrition item levels fall outside the optimal range. We suggest taking steps to raise them to the optimal level.

### Normal range

These nutrition item levels fall within the optimal range



## What does a balanced meal look like?

The BANT healthy eating plate is a great example of a guide to help you to create balanced meals providing a breadth of nutrients, non-starchy fruits and vegetables, wholegrains or starches and protein, and healthy fats.

# 7 a day

(5 veg and 2 fruit)





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# Ask the experts

Our health experts are here for you

With the Body Intolerance Test, you have the opportunity to submit a question about your results to our expert advisory board.

Whether you have an enquiry about your results or seek advice on how to navigate your health journey, our board of health professionals are here to provide informed and personalised answers, ensuring you have the support you need to make informed decisions about your health & well-being.

Complete a question submission and we will connect you with our advisory board members to provide your answer.

[Submit a question here](#)

**Please note:** The responses provided by our advisory board are intended for informational purposes only. It is crucial to consult your own doctor, physician or healthcare professional before making any decisions related to nutrition plans or diet programs. You are responsible for assessing your own medical and physical condition, or that of your clients, and should independently determine whether to implement, use, or modify any information or content presented in this report or on our website. Always prioritise your health and well-being by seeking professional medical advice for accurate guidance.



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Jaci Salley  
Certified Nutrition Therapy  
Practitioner

# Health Boosting Meal Programmes

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4  
weeks

**Eating for Sleep**  
4 week programme



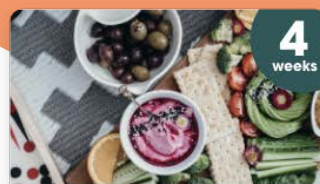
4  
weeks

**Gluten-Free**  
4 week programme



4  
weeks

**25-min Meals**  
4 week programme



4  
weeks

**Dairy Free**  
4 week programme



4  
weeks

**Diabetes Management**  
4 week programme



4  
weeks

**High Cholesterol**  
4 week programme



4  
weeks

**Mediterranean Diet**  
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4  
weeks

**Boost Gut Health**  
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# Got a question?

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