

## Alternative Medicine: Are You Suffering from Histamine Intolerance?

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Histamine intolerance occurs when there is a buildup of histamine in the body. Many foods contain high histamine levels, and various health conditions and medications can contribute to an intolerance (See below for a list of common symptoms).

Histamine is a chemical that sends messages to the brain, signals the release of stomach acid for digestion, and is released as part of the immune system's response to an injury or allergic reaction.

An intolerance to this chemical happens when the body cannot break down enough of it in the intestines, causing histamine levels in the blood to rise.

This typically results from having low levels of an enzyme called diamine oxidase (DAO), which is the primary agent that breaks down digested histamine.

When histamine levels get too high or when it can't be broken down properly, it can adversely impact normal bodily functions.

Symptoms of histamine intolerance

headaches or migraines

nasal congestion or sinus issues

fatigue

hives

digestive issues

irregular menstrual cycle

nausea

vomiting

Additional symptoms may include:

abdominal cramping

tissue swelling

high blood pressure

irregular heart rate

anxiety

difficulty regulating body temperature

dizziness

What causes high histamine levels?

The enzyme diamine oxidase (DAO) is responsible for breaking down histamine that you take in from foods.

If you develop a DAO deficiency and are unable to break down histamine, you could develop an intolerance.

Some individuals have altered DAO production due to a number of different factors including:

Small Intestinal Bacterial Overgrowth (SIBO): some gut microbes produce high amounts of histamines as a byproduct of their metabolism.

Leaky Gut Syndrome: Intestinal permeability creates major inflammatory stress in the body which can contribute to poor DAO function.

GI inflammatory conditions: Crohn's, Inflammatory bowel disease (IBS), colitis

Celiac disease and those with gluten intolerance

Certain drugs: NSAIDs, acid-blocking medications, anti-depressants, immune suppressants.

Nutritional Factors to Consider:

The DAO enzyme is dependent on vitamin B6, B12, iron, copper and vitamin C, so it makes sense to increase the intake of these compounds.

Copper and Vit C are crucial components of the DAO enzyme and B6 is a key cofactor that enables DAO to degrade histamine.

Copper deficiency is another possible cause for low DAO activity, as copper is a central atom of the DAO and thus essential for its function.

Controlling histamine levels with diet

Foods to avoid or at least limit.

Histamine-rich foods are:

alcohol and other fermented beverages

fermented foods and dairy products, such as yogurt and sauerkraut

dried fruits

avocados

eggplant

spinach

processed or smoked meats

shellfish

aged cheese

There are also a number of foods that trigger histamine release in the body, such as:

alcohol

bananas

tomatoes

wheat germ

beans

papaya

chocolate

citrus fruits

nuts, specifically walnuts, cashews and peanuts

food dyes and other additives

Foods to eat

If you have a histamine intolerance, the following low-histamine foods can help reduce symptoms.

Some foods low in histamine include:

fresh meat and freshly caught fish

non-citrus fruits

eggs

gluten-free grains, such as quinoa and rice

dairy substitutes, such as coconut milk and almond milk

fresh vegetables except tomatoes, avocados, spinach, and eggplant

cooking oils, such as olive oil

Diagnosing Histamine Intolerance

Your doctor might also take a blood sample to analyze if you have a DAO deficiency.

G-DAP from <https://precisionpointdiagnostics.com> is a good test to check your DAO and Histamine levels

Supplement Recommendation to Block Histamine and Replenish DAO

Histamine Block from Seeking Health

#### Additional Recommendations

Replenish the supplements necessary for the production of DAO: B6, B12, iron, copper and vitamin C.

Dr. Badanek has been and currently is 41 years into active/private practice in the Ocala/Marion County, Florida region. Dr. Badanek practices Natural/Holistic Medicine through the use of Functional/Integrative Models for diagnostic and treatment protocols for the health challenged. Find him online at [Dr.Badanek.com](http://Dr.Badanek.com) and [www.alternativewholistic.com](http://www.alternativewholistic.com), and see what the facility has to offer the sick and health challenged. To schedule an appointment call 352-622-1151