

WHAT IS CELIAC DISEASE?

Celiac disease is a serious, genetic autoimmune disease where the ingestion of gluten causes damage to the small intestine.

1 in 100 1 IN 100 WORLDWIDE HAVE CELIAC DISEASE

Currently, the only treatment for celiac disease is lifelong adherence to a gluten-free diet. This means avoiding all foods and beverages that contain wheat, rye, barley, or triticale, such as bread and beer.

WHAT IS GLUTEN?

GLUTEN IS A GENERAL NAME FOR THE PROTEINS FOUND IN WHEAT, RYE, BARLEY, AND TRITICALE (A CROSS BETWEEN WHEAT AND RYE). Gluten helps foods maintain their shape, acting as a glue that holds food together. People with celiac disease must also avoid oats that are not labeled gluten-free due to the risk of cross-contact with gluten.



WHERE IS GLUTEN FOUND?

Gluten-containing grains and their derivatives include:

- Barley
- Brewer's yeast
- Durum
- Einkorn wheat
- Emmer
- Farina
- Farro
- Graham
- Kamut™
- Khorasan wheat
- Malt
- Rye
- Semolina
- Spelt
- Triticale
- Wheat
- Wheat berries
- Wheat starch not labeled gluten-free

Common foods that contain gluten include, but are not limited to:

- Baked goods (breads, pastries, etc.)
- Beer
- Breeding and coating mixes
- Cereals and granola
- Crackers
- Croutons
- Pancakes and waffles
- Pasta and noodles
- Soups and salad dressings

Foods that may contain gluten include:

- Candy and candy bars
- Granola bars
- Mixed spices
- Potato chips
- Processed lunch meat
- Sauces



GLUTEN CAN ALSO BE HIDDEN IN FOODS LIKE SOY SAUCE, LICORICE, AND MANY SALAD DRESSINGS, SAUCES, AND GRAVIES. Be sure to read the label on every packaged/processed food item you buy (foods that are packaged in boxes, cans, or bags, or that contain additives, artificial flavorings, or other chemical ingredients) and refer to the Food Label Reading Guide section for more information.

Potential areas for cross-contact with gluten include:

- Colanders
- Condiments such as peanut butter, jam, mustard, and mayonnaise
- Toasters
- Wooden cutting boards and utensils

These items must be kept separate for gluten-free use in order to avoid cross-contact with gluten.

The following ingredients ARE safe on a gluten-free diet:

- Caramel colors
- Dextrin
- Distilled vinegar
- Maltodextrin
- Maltose
- Natural flavors
- Yeast extract
- Wheat starch labeled gluten-free

The following ingredients are NOT safe on a gluten-free diet:

- Malt
- Malt extract
- Malt flavor
- Malt syrup

WHAT CAN I EAT ON A GLUTEN-FREE DIET?

THE MOST COST-EFFECTIVE WAY TO FOLLOW THE GLUTEN-FREE DIET IS TO CHOOSE NATURALLY GLUTEN-FREE FOODS – foods that do not contain any gluten. Naturally gluten-free food groups include:

- Dairy
- Eggs
- Fish and seafood
- Fruits
- Legumes (such as beans, peas, and lentils)
- Meat and poultry
- Nuts and seeds
- Vegetables

Additionally, there are many naturally gluten-free grains and starchy foods you can enjoy:

- Amaranth
- Arrowroot
- Buckwheat
- Corn
- Millet
- Potato
- Quinoa
- Rice
- Sorghum
- Tapioca
- Teff
- Yucca

WHAT ABOUT ALCOHOL AND VINEGAR?

Most distilled alcoholic beverages and vinegars are gluten-free. These distilled products do not contain any harmful gluten peptides even if they are made from gluten-containing grains, because the gluten peptide is too large to carry over in the distillation process. Beers, ales, lagers, malt beverages, and malt vinegars that are made from gluten-containing grains are **not distilled** and therefore are **not gluten-free**.

For more information on the gluten-free diet, visit celiac.org/glutenfreediet.

FOOD LABEL READING GUIDE

Transitioning to a gluten-free diet may seem overwhelming and challenging at first, but with a basic understanding of ingredient labels it can be manageable. **The FDA Labeling Rule** makes it easier to determine whether or not a packaged food product is safe for someone with celiac disease.

FDA LABELING RULE

ACCORDING TO THE FDA LABELING RULE, A PACKAGED FOOD PRODUCT CAN BE LABELED “GLUTEN-FREE” IF IT IS EITHER NATURALLY GLUTEN-FREE OR DOES NOT CONTAIN AN INGREDIENT THAT IS:

- A gluten-containing grain (e.g., wheat)
- Derived from a gluten-containing grain that has not been processed to remove gluten (e.g., wheat flour)
- Derived from a gluten-containing grain that has been processed to remove gluten (e.g., wheat starch), if the use of that ingredient results in the presence of 20 parts per million (ppm) or more gluten in the food. Also, any unavoidable presence of gluten in the food must be less than 20 ppm.

Total Carbohydrate	300g	375g
Dietary Fiber	25g	30g
MADE FROM: WHOLE WHEAT FLOUR, WATER, HIGH FRUCTOSE CORN SYRUP, YEAST, SOYBEAN OIL, WHEAT GLUTEN, UNSULPHURED MOLASSES, CONTAINS 2 PERCENT OR LESS OF: OAT FIBER, SALT, SODIUM STEAROYL LACTYLATE (DOUGH CONDITIONER), CITRIC ACID, CALCIUM PROPIONATE AND SORBIC ACID TO RETARD SPOILAGE, MONO AND DIGLYCERIDES, BUTTER (MILK)*, WHEY*, SOY LECITHIN.		
*ADDS A TRIVIAL AMOUNT OF CHOLESTEROL.		

1) Read the ingredient label. Avoid all products with wheat, rye, barley, malt, or triticale in the ingredient label. Even if a packaged food product is labeled “gluten-free,” you should check for these ingredients as mistakes in labeling can happen. The only exception for this is wheat starch. According to the FDA, if a food contains wheat starch, it may be labeled “gluten-free” if it has been processed to remove gluten, and tests to below 20 ppm of gluten.

2) Look for the words “Gluten-Free.” Buy naturally gluten-free grains and flours (rice flour, sorghum flour, etc.) that are labeled “gluten-free” as they may come into contact with gluten in the manufacturing process. Products made with gluten-free grains (pasta, cereal, bread, cookies, etc.) should also be labeled “gluten-free.” Manufacturers of labeled gluten-free products must adhere to FDA guidelines mandating gluten content test below 20 ppm.

3) Educate yourself about cross-contact. Avoid products that are made from naturally gluten-free grains (quinoa, rice, sorghum, etc.) **not** labeled “gluten-free” but labeled “may contain” or “made on shared equipment with” wheat/gluten. This means the product could contain more than 20 ppm of gluten.

4) Be cautious of hidden sources of gluten. Educate yourself about other ingredients that contain gluten (see “Where is Gluten Found” section) as gluten can often be found hidden in food and personal care products you would not expect. While gluten cannot be absorbed through the skin, people with celiac disease or dermatitis herpetiformis should take care not to ingest gluten-containing skin and oral health products and cosmetics.

5) Confirm the gluten-free status with the product manufacturer. If a product is **not** labeled “gluten-free,” does **not** contain wheat, barley, rye, or their derivatives in the ingredient label, and is **not** a naturally gluten-free product (see “What Can I Eat on the Gluten-Free Diet” section), contact the manufacturer to inquire about the risk of cross-contact with gluten during manufacturing.

6) Understand “shared facility” warnings. If a product is labeled “gluten-free” and states that it is made in the same facility as products containing wheat, it is still safe for people with celiac disease to consume. The gluten-free label represents that the procedures put in place to prevent cross-contact with gluten meet FDA standards.

7) When in doubt, go without. If the product label on a food item that is not naturally gluten-free is not clear (e.g., it is labeled “gluten-free,” but contains wheat), or if you are still concerned about whether or not it is safe for you, it is best to find an alternative.

ABOUT THE CELIAC DISEASE FOUNDATION

The Celiac Disease Foundation, established in 1990, is a leading global patient advocacy organization committed to accelerating diagnosis, treatments, and a cure for celiac disease. Our mission is to improve the health and well-being of the millions of individuals around the world affected by this genetic autoimmune disease through our strategic investments in research, advocacy, and education. Our iCureCeliac® patient registry and extensive patient recruitment services enable us to identify qualified patient candidates and speed their enrollment to advance critical disease research. Our unparalleled advocacy program has led the way to secure federal recognition and first-ever research funding from agencies including the U.S. National Institutes of Health and the Department of Defense. We adhere to the highest scientific and ethical standards as we work each day to promote understanding of celiac disease, empower our patient and provider community, and collaborate with partners and stakeholders to carry our mission forward.

CONNECT WITH US

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