

Family Child Care Food Allergy Fact Sheets



Milk Allergies

Milk is one of the nine major allergens in the United States. Together, they cause about 90% of all food-related allergic reactions. Many proteins in milk can cause an allergic reaction. There are two main categories of proteins in milk:

- Casein – proteins found in the solid part, or “curd” (part of milk that curdles)
- Whey – proteins found in the liquid part of milk (what remains after milk curdles)

This fact sheet will discuss how to manage milk allergies in a family child care.

How are children affected by milk allergies?

In the United States, milk allergies are the most common food allergy among infants and young children. Roughly 2.5% of children under the age of three have a milk allergy, but most children outgrow it.

What foods contain milk?

Children with a milk allergy need to follow a completely milk-free diet to avoid possible reactions. Removing fluid milk and other dairy products such as cheese from the diet is obvious, but many nondairy products and processed foods contain milk proteins. Reading food labels is important to prevent exposure to ingredients that contain milk. The following charts list products that generally contain milk and should be avoided.



Dairy Products		
<ul style="list-style-type: none"> • Butter (salted, spray, unsalted, whipped) • Buttermilk (blends, solids, sweet cream buttermilk powder) • Cheese (all types) • Cheese food, imitation cheese • Cheese dip/sauce/spread (queso, nacho cheese, Rotel® dip) • Coffee creamer • Condensed milk • Cottage cheese • Cream cheese • Crème fraiche • Curds • Custard 	<ul style="list-style-type: none"> • Evaporated milk • Ghee • Half and half • Heavy cream • Ice cream, ice milk, sherbert • Kefir (fermented milk drink) • Lactose-free milk (Lactaid®) • Malted milk • Milk (all forms – acidophilus, cultured, derivative, dried, fat-free, low-fat, milk fat, non-fat, pasteurized, protein, skim, sour, sweetened, whole, 1%, 2%) 	<ul style="list-style-type: none"> • Milk from other animals (goat, sheep)* • Powdered milk (dried) • Pudding • Quarg/quark (fresh soft cheese) • Rennet, rennet casein • Ricotta cheese • Sour cream (all varieties) • Skyr (Icelandic cultured dairy product) • Whipping cream • Yogurt (Greek, regular, frozen, all varieties)

*Goat’s milk protein is similar to cow’s milk protein and may cause a reaction in milk-allergic individuals. It is not a safe alternative.



Dairy Ingredients		
<ul style="list-style-type: none"> • Anhydrous butter oil • Anhydrous milk fat (AMF) • Butter acid • Butter ester • Butter extract • Butter fat • Butter flavor • Butter oil • Butterfat • Dairy product/ butter solids • Dehydrated yogurt 	<ul style="list-style-type: none"> • Diacetyl • Galactose • Lactate solids • Lactic acid starter culture • Lactic yeast • Lactitol monohydrate • Lactose • Lactulose • Milk derivative • Milk fat • Milk protein 	<ul style="list-style-type: none"> • Milk protein hydrolysate • Milk powders (full cream, nonfat, skim, whole) • Milk solids (dried, nonfat, paste, sour, whole) • Nisin • Protein hydrolysate • Recaldent™ • Sour cream solids • Sour milk solids • Tagatose • Yogurt powder
Milk Protein Ingredients		
Casein	Whey	
<ul style="list-style-type: none"> • Ammonium caseinate • Calcium caseinate • Casein • Casein hydrolysate/ hydrolyzed casein • Iron caseinate • Magnesium caseinate • Potassium caseinate • Sodium caseinate • Zinc caseinate 	<ul style="list-style-type: none"> • Acid whey • Cured whey • Delactosed whey • Demineralized whey • Lactalbumin • Lactalbumin phosphate • Lactoferrin • Lactoglobulin • Powdered whey • Reduced mineral whey 	<ul style="list-style-type: none"> • Sweet dairy whey • Whey • Whey protein • Whey protein concentrate • Whey protein hydrolysate/ hydrolyzed whey • Whey protein isolate • Whey solids

Dishes, Foods, and Products That May Contain Milk

<ul style="list-style-type: none"> • Artificial butter flavor • Baked goods (breads, cakes, cookies, crackers) • Breeding on processed meat and poultry products • Broths, stocks • Buns (some restaurants butter buns) • Candy (caramel, chocolate, nougat) • Flavored chips • Flavorings (artificial butter, caramel, natural) 	<ul style="list-style-type: none"> • Foods fortified with protein • Granola mixes (butter) • High protein flour • Instant potatoes • Luncheon meats, hot dogs, sausages (may use casein as a binder) • Margarine • Milk/cheese substitutes (soy-based, nut-based, rice-based dairy products, possible cross-contact) 	<ul style="list-style-type: none"> • Nondairy products (may contain casein) • Protein powder (may contain whey or casein) • Shellfish (may be dipped in milk to reduce fishy odor) • Simplese® (fat substitute) • Tuna (may contain casein, pouch and canned)
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Many items may not contain milk but may be produced in a facility where milk is processed or used as an ingredient. As a result, cross-contact with milk may occur. Cross-contact is the accidental transfer of allergens to an allergen-free food or surface. Do not give a food to a child with a milk allergy that is labeled with an advisory statement such as being produced or manufactured in a facility with milk.

Some ingredients may be confused with ingredients that do contain milk. The listed items do not contain milk and do not need to be restricted for a child with a milk allergy:

- Calcium lactate
- Calcium stearoyl lactylate
- Cocoa butter
- Cream of tartar
- Lactic acid (lactic acid starter culture may contain milk)
- Oleoresin
- Sodium lactate
- Sodium stearoyl lactylate

What are some ways to substitute milk in meals?

The following chart lists common menu items that may be used as safe substitutions to items that contain milk. Always carefully read ingredient lists, even for foods that do not usually contain milk.

Menu Items and Condiments That May Contain Milk*	Possible Substitutes**†
Bread, bagels, biscuits, muffins, pancakes, waffles, other bread products	Bread products made without milk; tortillas
Breaded products (chicken nuggets, fish sticks)	Non-breaded products (grilled chicken patties)
Breakfast cereals	Dairy-free breakfast cereals
Butter	Dairy-free margarine
Cheese, any menu items that contain cheese	Imitation cheese (soy, almond, other vegan cheeses)†; menu items without cheese
Crackers (some varieties)	Dairy-free crackers, corn chips, pretzels
Mayonnaise, cream-based salad dressings	Oil and vinegar salad dressings
Mixed dishes containing milk, cheese, butter, sour cream	Mixed dishes without milk, cheese, butter, or sour cream
Pasta (some varieties)	Pasta without milk; barley, beans, couscous, legumes, rice, quinoa
Processed meats	100% beef, pork, poultry, fish or shellfish; beans, peas, legumes
Vegetable or legume soups	Vegetable or legume soups without dairy
Yogurt, cottage cheese	Soy yogurt**

*All meals and snacks claimed for reimbursement must meet the Child and Adult Care Food Program (CACFP) meal pattern requirements. Please visit www.fns.usda.gov/cacfp/meals-and-snacks for more information. For children with food allergies, providers are required to provide meal modifications as stated in the child's medical statement signed by a State licensed healthcare professional. Meal modifications may require providing meals and snacks that do not meet CACFP meal pattern requirements. These meals are reimbursable as long as there is a medical statement on file documenting the necessary accommodations. Providers may choose to accommodate food-related disabilities without a signed medical statement if the meal modifications still meet the meal pattern requirements. Refer to the *Family Child Care Food Allergy Fact Sheets – Accommodating Children with Food Allergies* for more information.

†Always review the ingredient list to verify ingredients and check for possible cross-contact.

**Soy products are common substitutes for milk products, but soy also is a common allergen.



If a product is labeled “dairy-free” or “nondairy,” is it safe for a person with milk allergies?

Be aware that a product that is labeled “dairy-free” or “nondairy” may not be safe for a person with milk allergies. The term “dairy-free” does not have a Food and Drug Administration (FDA) regulated definition, so there is no guarantee that the product does not contain milk proteins. The FDA definition of “nondairy” states that the product can include milk proteins and still be labeled “nondairy.” Therefore, food labels should always be checked for the presence of milk even if one of these terms is used on the packaging.

What are some baking substitutions for milk?

Water or fruit juice can be substituted in equal amounts for milk in baking and cooking. For example, use 1 cup of water in place of 1 cup of milk.

How does lactose intolerance differ from a milk allergy?

Food intolerances can sometimes be confused for food allergies. Lactose intolerance is caused by a person’s lack of lactase, the enzyme that breaks down the sugar (lactose) found in milk. Common symptoms of lactose intolerance are nausea, bloating, diarrhea, gas, and cramps. Lactose intolerance is not life-threatening. Lactose-free milk can be offered as part of a reimbursable meal without a written request. Those with lactose intolerance may be able to eat small amounts of foods that contain milk as an ingredient and consume other dairy products such as yogurt without experiencing symptoms. This will vary based upon the individual.

Milk allergy, in contrast, is a reaction to the proteins (rather than the sugar) in milk and is an immune response rather than a digestive problem. A child with a true milk allergy will not be able to consume any dairy products, including cheese and yogurt.

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For More Information

Food Allergy Research & Education
www.foodallergy.org

Institute of Child Nutrition
www.theicn.org/foodsafety

U.S. Food and Drug Administration
Food Allergens
www.fda.gov/food/food-labeling-nutrition/food-allergies

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