

# **Food Most Likely to Become Unsafe**

Any type of food can be contaminated. But some types allow more pathogen growth. The best way to control pathogen growth in these items is to control time and temperature. So these food items are known as food that needs time and temperature control for safety, or TCS food for short. Here are the most common types of TCS food.



Milk and dairy products



Eggs



 Meat: beef, pork, and lamb



Poultry



Fish



Shellfish and crustaceans



Baked potatoes



 Heat-treated plant food, such as cooked rice, beans, and vegetables



- Tofu or other soy protein
- Synthetic ingredients, such as textured soy protein in meat alternatives



- Sliced melons
- Cut tomatoes



Sprouts and sprout seeds



Untreated garlic-and-oil mixtures

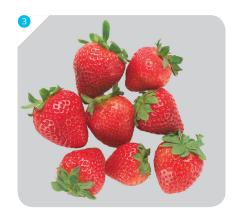
# **Apply Your Knowledge**

### What to Control

Circle each food item that needs time and temperature control to keep it safe.



















### **How to Measure the Temperature of Food**

To control the temperature of food, you must first know how to check it. A thermometer is the most important tool for doing this. Follow the guidelines below to do it right.



#### 1 Use the right thermometer for the job you are doing.

• Check with your manager about the right thermometer to use.



#### 2 Make sure the thermometer is ready to be used.

- It must be washed, rinsed, and sanitized. Do this before using it.
- It must be adjusted so it will read temperatures correctly. This is called calibration.



#### 3 Check temperatures the right way.

- Stick the thermometer into the thickest part of the food. This is usually the center.
- Wait until the thermometer reading stays steady before writing down a temperature.
- Take another reading in a different spot.



#### 4 Clean and sanitize the thermometer.

- Wash, rinse, sanitize, and air-dry the thermometer after using it.
- Keep its storage case clean.

# **Apply Your Knowledge**

#### Taking Its Temperature

- Write a ✓ next to where you should check the temperature of food.
  - \_\_\_\_\_ A On the top surface
  - B On the bottom surface
  - \_\_\_\_\_C In the thickest part
    - \_\_\_\_\_D In the thinnest part

2 Write a 🗸	next to	what you	should	do	after	using
a thermometer.						

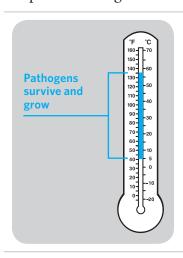
- \_\_\_ A Wash it well and then let it dry.
- B Wipe it off and put it back in its case.
- \_\_\_\_\_C Let it air-dry.
- Wash, rinse, sanitize, and air-dry it.

### **Holding and Storing TCS Food**

When you hold or store TCS food the wrong way, pathogens have a chance to grow. To keep food safe during these tasks, follow the guidelines below.

# **Temperature Danger Zone**

To keep TCS food safe, you must keep it out of the temperature danger zone.



- Pathogens grow well in the temperature range from 41°F to 135°F (5°C to 57°C). This range is called the temperature danger zone.
- TCS food must be kept out of this range.

# **Holding TCS Food Safely**

To keep TCS food safe during holding, follow these guidelines.



- Keep hot food at 135°F (57°C) or higher.
- Keep cold food at 41°F (5°C) or lower.
- Keep frozen food frozen.
- Check the food's temperature at least every four hours.
- If food is not being held at the right temperature, tell your manager.

## **Storing TCS Food Safely**

TCS food must be stored the right way.



- Do **NOT** overload coolers or freezers.
- Return prepped food to coolers as quickly as possible.
- Plan ahead so you don't have to open cooler doors more than necessary.

#### **Apply Your Knowledge**

#### **Holding and Storing Safely**

1	Write a   ✓ next to the temperature that contain hamburger patties being hot-held (waiting served) should be kept at before service.			
	A	41°F (5°C) or lower		
	B	94°F (34°C) or lower		
	C	125°F (52°C) or higher		
	D	135°F (57°C) or higher		
(3)	A + 10.20 a	na I alam wamayyad fayyy aagaa af		

- (2) At 10:30 a.m., John removed four cases of hamburger patties from the cooler for the lunch rush. After lunch, he noticed that the uncooked patties were at room temperature. Write a ✓ next to what he should do.
  - A Nothing, the patties are okay to cook.B Return them to the cooler immediately.C Cook them immediately.
  - \_\_\_\_\_ D Ask his manager.
- ③ When Greta went into the freezer to get more fish sticks, she found that they were thawed. Write a ✓ next to what she should do.
  - \_\_\_\_\_ A Take the fish sticks and cook them.
    - B Leave the fish sticks there to freeze.
    - \_\_\_\_\_ C Throw away all the thawed fish sticks.
      - \_\_\_ D Ask her manager.

## **How to Label Food for Storage**

Food can be stored only for so long to keep it safe. To control storage time, you must be able to tell when food was stored and by what date it must be used. This means always labeling food as it is stored.



All ready-to-eat food that is prepped in-house must have a label that includes the following information.

- Name of the food
- Use-by or expiration date—ask your manager what date to use



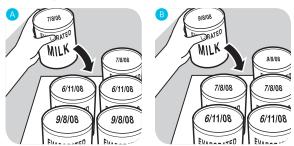
When storing food:

- 1 Check the expiration date.
- Store food in first in, first out (FIFO) order. This means storing food that will expire first in front of items that will expire later.
- 3 Use the food in front first, because it will expire first.

### **Apply Your Knowledge**

#### **Using Stored Food Safely**

 Circle the storage shelf that has the cans stored correctly.



- ② Write a ✓ next to the items that must be included on the label for a pan of meat sauce prepped in-house.
  - \_\_\_\_ A Name of food; use-by date
  - B Name of food; ingredients used
  - C Name of food; purchase date
  - Name of food; allergens it contains