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## Glossary

#### Acidity

A substance with a pH below 7.0.

#### **Biological Hazard**

Contamination of food or water from harmful microorganisms including bacteria, viruses, parasites, and fungi.

#### **Chemical Hazard**

Contamination of food or water from chemical substances such as pesticides, food additives, preservatives, cleaning supplies, and toxic metals that leach from cookware or equipment.

#### Clean

No visible sign of soil.

#### **Cross-contamination**

The transfer of harmful microorganisms from a surface (hand or food-contact) to food or from one food to another food.

#### Facultative Microorganisms

Microorganisms that can grow with or without oxygen. Most bacteria that cause foodborne illness are in this group.

#### Food-contact Surface

A surface of equipment or a utensil with which food normally comes into contact or a surface from which food may drain, drip, or splash into a food or onto a surface normally in contact with a food.

#### Foodborne Illness

A disease carried to people by food or water.

#### Foodborne Outbreak

An incidence in which two or more people experience the same illness after eating the same food. It must be confirmed by a laboratory analysis showing the source of the foodborne illness to be a specific food.

#### Hazard Analysis and Critical Control Point (HACCP)

A written procedure that describes a process to reduce the risk of foodborne illness.

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#### **Hot-holding Equipment**

Foodservice equipment designed to hold hot foods at a temperature of 135 °F or above. Examples include steam tables, heated cabinets, and *bains maries*. Hot-holding equipment should never be used to heat or reheat foods.

#### Ice-water Bath

A cooling method where food is placed in pans, and the pans are placed in ice water in a sink or another pan or pot.

#### Pathogen

Disease-causing microorganisms, including bacteria.

#### Personal Hygiene

Health habits that include clean hair, body, and teeth; clean clothes and shoes; correct handwashing; and maintaining good health.

#### pН

The expression of the degree of acidity. On a scale from 1 to 14, 7 is neutral, 1 is most acid, and 14 is most alkaline or least acid.

#### **Physical Hazard**

Contamination of food or water from foreign objects that accidentally get into food, such as bone fragments, dirt, nail polish, plastic fragments, or broken glass.

#### **Potentially Hazardous Food**

A food that is natural or synthetic and requires temperature control because it is in a form capable of supporting: (1) the rapid and progressive growth of harmful microorganisms; (2) the growth of toxin production of *Clostridium botulinum*; or (3) in raw shell eggs, the growth of *Salmonella enteriditis*. Foods included are raw or cooked foods from animals; cooked plant foods; raw seed sprouts; cut melons; and garlic-in-oil mixtures that have not been treated so they do not support growth of harmful microorganisms. Examples are milk and milk products; meat—beef, pork, lamb; poultry; fish; shell eggs; shellfish and crustaceans; tofu or other soy-protein foods; sprouts and raw seeds; baked and boiled potatoes; cooked rice, beans, and other heat-treated products; cut melons; and garlic-and-oil mixtures.

#### Ready-to-eat Food

Food that is in an edible form without washing, cooking, or additional preparation by the foodservice and is generally consumed in that form. Some examples include raw, washed, cut fruits and vegetables; deli meats and hot dogs; and cheeses.

#### Sanitize

To use either a chemical or heat on a clean surface to reduce the number of microorganisms or other contaminants to a level that is not harmful.



Serving It Safe

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#### Single-use Items

Items that are designed to be used and then disposed. Examples include paper towels and napkins; disposable gloves; plastic eating utensils; paper or Styrofoam plates and trays; aluminum foil; and plastic wrap.

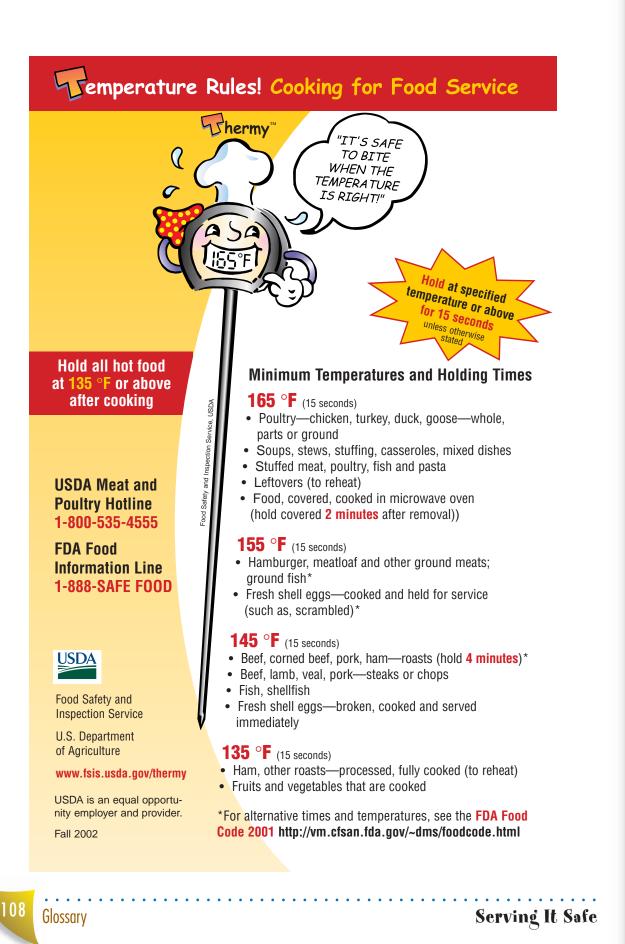
#### **Smallware**

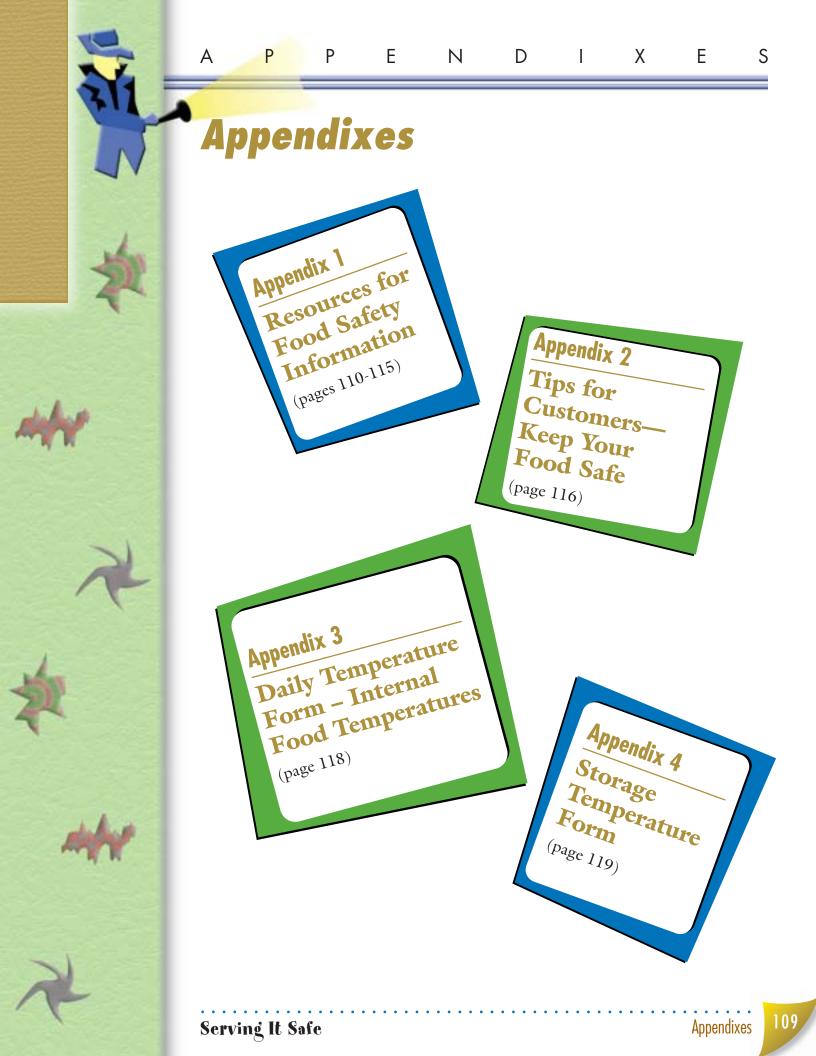
Dishes, trays, flatware, glasses, and small utensils.

#### Temperature Danger Zone

The temperature danger zone is between 41°F and 135 °F and refers to the required, safe internal temperature of food. Whenever food is in the temperature danger zone too long, it can become unsafe. For best practice, a foodservice operation should document temperatures and maintain written procedures. Follow State and local public health department recommendations to control time and temperature at each stage of food production.







# **Resources for Food Safety** Information

Following are some resources you will find helpful when developing a food safety program for your foodservice. All Web sites were retrieved on March 7, 2002.

1. Title: 2001 Food Code

Source: Food and Drug Administration

**Description:** The *Food Code* is a reference document for regulatory agencies responsible for overseeing food safety in retail outlets such as restaurants and grocery stores and institutions such as nursing homes and child care centers. The *Code* is updated every two years and State, local, and some tribal jurisdictions may use the *Food Code* as a model for their sanitation codes. The most recent *Food Code* is available from the Web site below which also includes a synopsis of changes from the 1999 *Food Code*.

Web Site: www.cfsan.fda.gov/~dms/fc01-toc.html

- Title: ServSafe Coursebook and ServSafe Essentials (1999)
  Source: Chicago: National Restaurant Association Educational Foundation Phone: 800-765-2122
   Description: References and course books for the ServSafe training course. Web Site: www.edfound.org
- Title: Thermometer Education Campaign as *Thermy<sup>™</sup> Art and Educational Materials* Source: U.S. Department of Agriculture, Food Safety and Inspection Service, Washington, D.C.

Phone: 301-504-9605

**Description:** Consumer art and educational materials featuring *Thermy*<sup>™</sup>, a messenger for food safety. The materials can be reproduced for use with consumer education. Note that because these materials were designed for the public, some temperatures may not be consistent with State and local public health department regulations for institutional foodservice. Always refer to State and local public health department regulations.

Web Site: www.fsis.usda.gov/thermy/index.htm



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 4. Title: Using Partnerships to Fight BAC!—A Workbook for Local Food Safety Educators Source: Partnership for Food Safety Education, New York, NY FAX: 212-924-3052 USDA Meat and Poultry Hotline: 800-535-4555

**Description:** A *Workbook for Local Food Safety Educators* describes how to partner in a community to promote food safety. The workbook includes examples of community programs, reproducible worksheets, and other information to use at State and local partner meetings.

Web Site: www.fightbac.org

- 5. **Titles:** Food safety resources from the National Food Service Management Institute are listed below:
  - Food Safety Mini Poster Kit
  - Child Care Tips Poster
  - Child Care Mini Posters
  - Food Safety: It's in Your Hands
  - Ten Minute Lessons for School Food Service: Food Safety and Sanitation

**Source:** National Food Service Management Institute, University, MS **Phone:** 800-321-3054

FAX: 800-321-3061

**Description:** NFSMI disseminates quality publications at an affordable cost in media appropriate to the needs of Child Nutrition Program personnel. All published materials are available for purchase on a cost-recovery basis and may be ordered from NFSMI. Call for a *Resource Guide* or visit the Web site for more information. **Web Site:** www.nfsmi.org

### **Food Safety Web Sites**

#### http://schoolmeals.nal.usda.gov

The Healthy School Meals Resource System (HSMRS) is a searchable Web site, providing information to persons working in USDA's Child Nutrition Programs. This Web site includes a Food Safety button that links to resources, current food safety information, and activities.

#### www.foodsafety.gov

This website is the Gateway to Government Food Safety Information. Links to the food safety pages of government Web sites are included. There are many links to other Web sites providing food safety information and resources.

There are many other Web sites that provide food safety information.

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#### **Additional Resources for Food Safety Materials**

The following Federal agencies and private organizations offer food safety materials. Contact State and local agriculture and public health agencies for State-specific resources.

#### **American Dietetic Association**

216 W. Jackson Blvd. Chicago, IL 60606-6995 **Phone:** 800-877-1600 **Web Site:** www.eatright.org

#### American School Food Service Association

1600 Duke Street, 7<sup>th</sup> Floor Alexandria, VA 22314-3436 **Phone:** 703-739-3900 or 800-877-8822 (ASFSA's Emporium) **Web Site:** www.asfsa.org

#### (The) Agricultural Databases for Decision Support (The ADDS Center)

415 Venture Court P.O. Box 93069 Verona, WI 54593 Phone: 608-848-9055 Web Site: www.adds.org

#### **American Egg Board**

1460 Renaissance Drive Park Ridge, IL 60068 **Phone:** 847-296-7043 **Web Site:** www.aeb.org

#### **American Meat Institute**

1700 North Moore Street Suite 1600 Arlington, VA 22209 **Phone:** 703-841-2400 **Web Site:** www.meatami.com

## American Public Health Association (APHA)

1

800 I Street NW Washington, DC 20001 Phone: 202-777-2742 Web Site: www.apha.org

#### **American Society for Microbiology**

1752 N Street NW Washington, DC 20036 Phone: 202-737-3600 Web Site: www.asmusa.org

## Centers for Disease Control and Prevention (CDC)

1600 Clifton Road Atlanta, GA 30333 **Phone:** 404-639-3311 and 404-639-3534 (Public Inquiries) **Web Site:** www.cdc.gov

#### National Center for Infectious Diseases

Web Site: www.cdc.gov/ncidod

#### Council of Hotel and Restaurant Trainers

P.O. Box 2835 Westfield, NJ 07091 Phone: 800-463-5918 Web Site: www.chart.org

#### **Food Allergy & Anaphylaxis Network**

10400 Eaton Place, Suite 107 Fairfax, VA 22030 Phone: 800-929-4040 Web Site: www.foodallergy.org Food Marketing Institute

655 15<sup>th</sup> Street NW Washington, DC 20005 **Phone:** 202-452-8444 **Web Site:** www.fmi.org

#### Food Safety Training and Education Alliance (FSTEA)

Web Site: www.fstea.org

#### Gateway to Government Food Safety Information Web Site: www.FoodSafety.gov

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#### Institute of Food Technologists (IFT)

525 West Van Buren, Suite 1000 Chicago, IL 60607 Phone: 312-782-8424 Web Site: www.ift.org

#### International Dairy Foods Association (IDFA)

1250 H Street NW Suite 900 Washington, DC 20005 Phone: 202-737-4332 Web Site: www.idfa.org

#### International Fresh-Cut Produce Association (IFPA)

1600 Duke Street Suite 440 Alexandria, VA 22314-3400 Phone: 703-299-6282 Web Site: www.fresh-cuts.org

#### National Cattlemen's Beef Association

1301 Pennsylvania Avenue NW Suite 300 Washington, DC 20004 Phone: 202-347-0228 Web Site: www.beef.org

#### National Environmental Health Association (NEHA)

720 South Colorado Boulevard Suite 970-S Denver, CO 80246-1925 Phone: 303-756-9090 Web Site: http://www.neha.org

#### National Fisheries Institute, Inc.

1901 N. Fort Myers Drive Suite 700 Arlington, VA 22209 Phone: 703-524-8880 Web Site: www.aaboutseafood.com/ health/index.html or www.nfi.org

#### National Frozen & Refrigerated Food Association (NFFA)

4755 Linglestown Road Suite 300 P.O. Box 6069 Harrisburg, PA 17112 Phone: 717-657-8601 Web Site: www.nffa.org

#### National Pest Management Association

8100 Oak Street Dunn Loring, VA 22027 Phone: 703-573-8330 Web Site: www.pestworld.org

#### **National Restaurant Association**

1200 17<sup>th</sup> Street NW Washington, DC 20036 **Phone:** 202-331-5900 **Web Site:** www.restaurant.org

#### National Restaurant Association Educational Foundation

175 West Jackson Boulevard Suite 1500 Chicago, IL 60604-2702 Phone: 800-765-2122 Web Site: www.edfound.org Web Site: www.nraef.org/ifsc (International Food Safety Council)

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#### **National Turkey Federation**

1225 New York Avenue NW, Sutie 400 Washington, D.C. 20005 Phone: 202-898-0203 Web Site: www.turkeyfed.org

#### North American Association of Food Equipment Manufacturers (NAFEM)

401 North Michigan Avenue Chicago, IL 60611 Phone: 312-245-1054 Web Site: www.nafem.org

#### NSF International (National Sanitation Foundation International)

P.O. Box 130140 789 North Dixboro Road Ann Arbor, MI 48113-0140 Phone: 734-765-8010 Web Site: www.nsf.org

#### Occupational Safety and Health Administration (OSHA)

U.S. Department of Labor 200 Constitution Avenue Washington, DC 20210 **Phone:** 800-321-6742 **Web Site:** www.osha.gov

#### Partnership for Food Safety Education

FightBac! Web Site: www.fightbac.org

#### **Produce Marketing Association**

1500 Casho Mill Road P.O. Box 6036 Newark, DE 19714-6036 **Phone:** 302-738-7100 **Web Site:** www.pma.com

#### United States Department of Agriculture (USDA)

Web Site: www.usda.gov

Appendixes

#### United States Department of Agriculture Food and Nutrition Information Center (FNIC)

National Agricultural Library, Room 304 USDA/ARS 10301 Baltimore Avenue Baltimore, MD 20705-2351 Phone: 301-504-5719 Web Site: www.nal.usda.gov/fnic/ foodborne/index.html (USDA/FDA Foodborne Illness Education Information Center)

#### United States Department of Agriculture Food and Nutrition Service (FNS)

Child Nutrition Division 3101 Park Center Drive—Room 638 Alexandria, VA 22302 Phone: 703-305-2590 Web Site: www.fns.usda.gov/cnd

Web Site: http://schoolmeals.nal.usda.gov Healthy School Meals Resource System is a searchable Web site providing information to persons working in USDA's Child Nutrition Programs. The site includes a Food Safety button that links to current food safety resources, information, and activities.

#### United States Department of Agriculture Food Safety and Inspection Service (FSIS)

Washington, DC 20250-3700 Phone: 800-535-4555 Web Site: www.fsis.usda.gov/index.htm

#### United States Food and Drug Administration (FDA)

5600 Fishers Lane Rockville, MD 20857-0001 **Phone:** 888-463-6332 **Web Site:** www.fda.gov

#### United States Food Drug Administration

The Bad Bug Book Web Site: www.cfsan.fda.gov/~mow/ intro.html

#### Food and Drug Administration Center for Food Safety &

Applied Nutrition (CFSAN) 5100 Paint Branch Parkway College Park, MD 20740-3835 **Phone:** 888-SAFEFOOD **Web Site:** www.cfsan.fda.gov

# Food and Drug Administration Office of Regulatory Affairs

Phone: 301-827-3101 Web Site: www.fda.gov/ora/inspect\_ref/ iom

#### Food and Drug Administration Seafood Information and Resources

http://vm.cfsan.fda.gov/seafood1.html

#### United States Department of Health and Human Services

Public Health Service Food and Drug Administration 200 Independence Avenue Washington, D.C. 20201 Phone: 877-696-6775 Web Site: www.hhs.gov/phs

115

# Tips for Customers Keep Your Food Safe

**To the foodservice manager:** Copy the facing page on colored paper to make a display sign to post near self-service areas of the cafeteria. Laminate the sign before posting.

# TIPS FOR CUSTOMERS KEEP YOUR FOOD SAFE

# Follow the tips below to help keep your food safe.

- Never re-use the same plate or tray.
- Do not touch food with your hands.
- Step away from the service line and cover your mouth and nose if you have to sneeze or cough.
- 4
- Use the serving utensils that are provided for each menu item.
- 5
- Do not eat near the service line.
- 6
- Never dip your fingers into a container of food to taste it.



Never put your head under the sneeze guard to reach items in the back.



If you choose not to eat a food you have placed on your tray or plate, please discard it in the appropriate place.

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	Daily 1 Interno	lemperatu 11 Food Ten	re Form — nperatures	
Date	Food Item	Time / Temperature	Time / Temperature	Time / Temperature



Serving It Safe

A P P E N D I X 4

Storage	e Temperature R	ecord for		
Date	Food Item	Time/ Temp./Initial	Time/	Tin Temp./

Serving It Safe