

FOOD GUIDE 1999 FOOD CODE

COOKING TEMPERATURES & HOLDING TIMES

165°F (74°C) for 15 seconds	Poultry. Live caught or field dressed wild game animals according to Law. Stuffed fish, meat, pork, pasta, poultry or ratites. Stuffing containing fish, meat, poultry or ratites. (Meat includes cattle, swine, sheep, goats, etc., <i>except fish, poultry & wild game animals.</i>)												
165°F (74°C) with a 2 minute post cooking hold	Microwave Cooking: for raw animal foods: covered, rotated or stirred throughout or midway through the cooking process, and held for 2 minutes covered.												
155°F (68°C) for 15 seconds or 158°F (70°C) for <1 second 150°F (66°C) for 1 minute 145°F (63°C) for 3 minutes	Ratites. Injected meats. Ground meat, fish, commercially raised & processed by Law game animals, exotic animals or rabbits. Raw Shell Eggs not prepared for immediate service (combined or hot hold) - not allowed for Highly Susceptible Populations (HSP).												
145°F (63°C) for 15 seconds ----- Surface temperature ≥145°F (63°C) + cooked color change on all external surfaces	Raw shell eggs prepared for immediate service. Commercially raised game animals, exotic animals or rabbits. Other raw animal foods not otherwise specified in this table. ----- Whole-muscle, Beef Steak may be served raw or undercooked if not serving a Highly Susceptible Population.												
145°F (63°C) for 3 minutes* or 144°F (62°C) for 5 minutes* 142°F (61°C) for 8 minutes* 140°F (60°C) for 12 minutes* 138°F (59°C) for 19 minutes* 136°F (58°C) for 32 minutes* 134°F (57°C) for 47 minutes* 132°F (56°C) for 77 minutes* 130°F (54°C) for 121 minutes*	Whole Roasts of Beef, Corned Beef, Pork or Cured Pork: * Note: holding time may include post-cooking heat rise <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 30%;">Oven Type</th> <th style="width: 35%;">Roast Weight < 10 lbs (4.5 kg)</th> <th style="width: 35%;">Roast Weight 10 lbs (4.5 kg)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Still Dry</td> <td style="text-align: center;">350°F (177°C)</td> <td style="text-align: center;">250°F (121°C)</td> </tr> <tr> <td style="text-align: center;">Convection</td> <td style="text-align: center;">325°F (163°C)</td> <td style="text-align: center;">250°F (163°C)</td> </tr> <tr> <td style="text-align: center;">High Humidity¹</td> <td style="text-align: center;">250°F (121°C)</td> <td style="text-align: center;">250°F (121°C)</td> </tr> </tbody> </table>	Oven Type	Roast Weight < 10 lbs (4.5 kg)	Roast Weight 10 lbs (4.5 kg)	Still Dry	350°F (177°C)	250°F (121°C)	Convection	325°F (163°C)	250°F (163°C)	High Humidity ¹	250°F (121°C)	250°F (121°C)
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High Humidity ¹	250°F (121°C)	250°F (121°C)											
140°F (60°C)	Plant Food Cooking For Hot Holding: Fruits & vegetables that will be hot held shall be cooked to the hot holding temperature of 140°F (60°C).												

¹ Relative humidity >90% for at least 1 hour as measured in the cooking chamber or exit (vent) of the oven, or in a moisture-impermeable bag that provides 100% humidity.

REHEATING FOR IMMEDIATE SERVICE

Cooked & refrigerated ready-to-eat (RTE) foods for a consumer's order may be served at any temperature, i.e., roast beef sandwich au jus.

REHEATING FOR HOT HOLDING

Reheating Time = 2 hours or less.
165°F for 15 seconds.
Microwave - rotated, covered, heat to 165°F, stand 2 minutes.
140°F - Commercially processed ready-to-eat (RTE) foods from intact package.
Un sliced portions of roasts of beef - as in above cooking table for roasts.

COLD² & HOT HOLDING

41°F or less, or
140°F or greater (130°F for beef & pork roasts cooked or reheated as stated above)

COOLING² POTENTIALLY HAZARDOUS FOODS

Hot Foods: Within 2 hours - 140°F to 70°F
Within 4 hours - 70°F to 41°F
Prepared from room temperature ingredients - Cool to 41°F within 4 hours.
Milk received at 45°F - Cool to 41°F within 4 hours.
Shell eggs received at or above 45°F must be placed immediately in refrigeration at 41°F.

COOLING METHODS

Use containers that facilitate heat transfer	Separate into smaller portions
Stir food in container placed in ice water bath	Place food in shallow pans
Arrange in refrigerator for maximum heat transfer	Use rapid cooling equipment
Loosely cover or uncover in refrig. during cooling period	Add ice as an ingredient

²45°F may be substituted for existing, in-use refrigeration equipment not capable of 41°F or less. Equipment must be upgraded or replaced by July 1, 2007.

DATE MARKING

Mark refrigerated ready-to-eat potentially hazardous foods with "Consume By Date" (CBD):

1. At time of preparation, if prepared on the premises and held over 24 hours; OR
2. At time container is opened, if obtained from a commercial food processing plant.

"Consume By Date" (CBD) = 7 days or less at 41°F OR 4 days or less at 45°F

Retain date of earliest or first prepared food when combining additional ingredients or portions of food with an existing portion, e.g., topping off at salad bar.

If subsequently frozen:

1. When the food is thawed, mark that it shall be consumed within 24 hours; OR
2. Marked at the time of freezing as to the days already held at refrigeration and upon removing from the freezer, the new CBD is the appropriate 7 or 4 days minus the time held before freezing.

Discard foods with expired "Consume By Dates" OR not consumed within 24 hours of thawing OR not marked OR inappropriately marked.

EXCEPTIONS to date marking:

1. Individual portions repackaged from bulk containers to fill a consumer's request.
2. Whole unsliced portions of a cured & processed product with the original cellulose casing intact on the uncut portion, i.e., bologna, salami, and sausage.
3. Hard cheeses, such as Cheddar, Monterey Jack, or Colby, may be repackaged without a CBD.

SPECIAL REQUIREMENTS FOR HIGHLY SUSCEPTIBLE POPULATIONS (HSP)

(Nursing homes, hospitals, personal care homes, child care centers)

The following may not be served or offered for sale:

- Unpasteurized prepackaged juice or beverage containing juice.
- Raw or partially cooked animal foods (includes meringue made from unpasteurized eggs).
- Raw seed sprouts.

Food in unopened original containers may not be re-served (includes condiments).

Time may not be used as a public health control for raw eggs.

Pasteurized eggs & egg products shall be substituted for raw shell eggs in the preparation of:

- a. Ready-to-eat (RTE) or partially cooked foods such as Caesar salad, hollandaise sauce, & egg nog, and
- b. Recipes in which more than one egg is broken and combined; EXCEPT when combined immediately before cooking for one consumer's serving, such as scrambled eggs (no holding time permitted); or when combined as an ingredient before baking and the eggs are thoroughly cooked, such as a cake or muffin; or when preparation is conducted under a HACCP plan per 3-801.11(E)(3).

THAWING METHODS

Under refrigeration.

As part of a cooking process.

In microwave, with immediate transfer to conventional cooking.

Any procedure for ready-to-eat (RTE) food for immediate service.

Submerged under running water <71°F. Max. 41°F for RTE food. Max. 4 hours at > 41°F for raw animal food (includes time exposed to running water, preparation, and cooling).

TIME AS A PUBLIC HEALTH CONTROL

Maintain written procedures.

Mark food container with maximum 4 hour time period when removed from temp. controls.

Discard unmarked, mismarked, or unconsumed (leftover) food at end of 4 hours.

May not be used for raw eggs served to a Highly Susceptible Population (HSP).

PROTECT FOOD FROM CROSS CONTAMINATION

Separate raw animal foods from raw ready-to-eat (RTE) food and from cooked RTE food.

Separate types of raw animal foods from each other, such as beef, fish, lamb, pork, and poultry:

Use separate equipment for each type; or

Arrange each type of food in equipment to prevent cross contamination; or

Prepare each type of food at different times or in separate areas.

Separate unwashed fruits and vegetables from RTE food.

Clean and sanitize equipment and utensils as required (see Equipment Spec Sheet).

Clean the exterior of sealed food containers of visible soil before opening.

Protect containers in a case or overwrap from cuts.

Store damaged, spoiled, or recalled food in segregated area.

Store food in packages, covered containers, or wrappings. **EXCEPTIONS:**

Whole, uncut, raw fruits and vegetables and nuts in the shell that require peeling or hulling before consumption;

Primal cuts, quarters, or sides of raw meat or slab bacon hung on clean, sanitized hooks or racks;

Whole, uncut processed meats such as country hams, and smoked or cured sausages placed on clean, sanitized racks;

Food being cooled under refrigeration; or

Shellstock.