Doneness Target Temperatures

Chicken Breast, bone in

Turkey Breast, bone in

Duck Breast

Dark Meat

Duck Leg

SEAFOOD

Fish

Lobster

Scallops Shrimp

Turkey Breast, boneless

Chicken Thigh, boneless

Turkey Leg or Thigh

Split Game Hen

Chicken Leg or Thigh, bone in

Tuna, Halibut, Snapper, Sole,

Salmon, Trout, Mackerel

Crustaceans, Mollusks

Chicken Breast, boneless

2

1

2

1

1

2.75

0.5 - 1

1-2

jumbo

2.75

5

7

5

2.5

2.5

7

2.5-5

2.5

2.5

jumbo

2.5

FOOD	DONENES		NESS	ESS		TEMPERATURE		
					°F	°C	;	
BEEF, VEAL, LAMB, GAME	Rare				120	49)	
		Medium Rare			134	56	3.5	
		Medium			140	60)	
		Medium Well			150	65	5.5	
		Well Done			160 and ove	over 71 and over		
PORK		Medium Rare			134	56.5		
		Medium			140	60	60	
		Well Done			160 and ove	er 71	71 and over	
POULTRY, White Meat DUCK, White Meat		Medium			140-146	60	60-63	
		Mediu	Medium Rare			56	56.5	
POULTRY, Dark Meat		Well D	Well Done			80	80	
FISH, SEAFOOD		Rare			116	47	,	
		Mediu	Medium Rare		126	52	2	
		Medium			140	60		
VEGETABLES, FRUITS					183-190	84	1-87	
EGGS		soft co	soft cooked			64	64 or 75	
			hard cooked		147 or 167 160		71	
		scram	scrambled		167	75	5	
		pasteu	pasteurized			57		
△ CAUTION Raw or unpasteurized food must The United States Food Code re 130°F (54.5°C) for longer than for Recommended Code	ecommenour hours.	ds that, for	safety, food	d should not be	kept betwee			
FOOD	THIC	THICKNESS ¹		TEMPERATURE		TIME		
	inch	cm	°F	°C	m	in	max	
DEED WEAT LAMB CALL								

△ CAUTION Raw or unpasteurized food mus The United States Food Code re 130°F (54.5°C) for longer than for	ecommen	ds that, for s			*		
Recommended Co	oking	Tempe	ratures an	d Times			
FOOD	THICKNESS ¹		TEMPE	RATURE	TIME		
	inch	cm	°F	°C	min	max	
BEEF, VEAL, LAMB, GAME							
Tender Cuts Tenderloin, Rib-eye, T-bone, Chops, Cutlets	1 2	2.5 5	134 or higher 134 or higher	56.5 or higher 56.5 or higher	1 hr 3 hrs	4 hrs 6 hours	
Tough Cuts and Grassfed ² Bison, Game	1	2.5	134 or higher	56.5 or higher	8-10 hrs	12-24 hrs	
Lamb Roast or Leg	2.75	7	134 or higher	56.5 or higher	10 hrs	24-48 hrs	
Spare Ribs	2	5	134 or higher	56.5 or higher	24 hrs	48-72 hrs	
Flank Steak, Brisket	1	2.5	134 or higher	56.5 or higher	8 hrs	24 hrs	
	2	5	134 or higher	56.5 or higher	12 hrs	30 hrs	
PORK							
Tenderloin	1.5	4	134 or higher	56.5 or higher	90 min	6-8 hrs	
Baby Back Ribs			165	74	4-8 hrs	24 hrs	
Chops, Cutlets	1	2.5	134 or higher	56.5 or higher	2-4 hrs	6-8 hrs	
	2	5	134 or higher	56.5 or higher	4-6 hrs	8-10 hrs	
Roast	2.75	7	160-176	71-80	12 hrs	30 hrs	
Spare Ribs	2.75	7	160-176	71-80	12 hrs	30 hrs	
Belly (quick)	2	5	185	85	5 hrs	8 hrs	
Belly (slow)	2	5	167	75	24 hrs	48-72 hrs	
POULTRY							
White Meat							

63.5 or higher

65.5 or higher

52 or higher

52 or higher

60

60

60

74-80

74-80

74-80

74-80

146 or higher

146 or higher

146 or higher

146 or higher

134 or higher

165-176

165-176

165-176

165-176

1.25 - 2.5 | 126 or higher

140

140

140

150 or higher

126 or higher

2.5 hrs

1 hr

4 hrs

2.5 hrs

90 min

4 hrs

2 hrs

8 hrs

8 hrs

6 hrs

20 min

30 min

45 min

40 min

30 min

4-6 hrs 2-4 hrs

6-8 hrs

4-6 hrs

4-6 hrs

6-8 hrs

4-6 hrs

10 hrs

18 hrs

8 hrs

30 min

40 min

60 min

60 min

40 min

up to 1	up to 2.5	183	84	1-2 hrs	4 hrs
1-2	2.5 - 5	183	84	2.5 hrs	4 hrs
up to 1	up to 2.5	183	84	30 min	1.5 hrs
up to 1	up to 2.5	183	84	45 min	2 hrs
up to 1	up to 2.5	183	84	30 min	1 hr
large	large	167	75	15 min	18 min
large	large	146	63.5	45 min	1.5 hrs
large	large	160	71	45 min	1.5 hrs
large	large	135	57	1.25 hrs	2 hrs
	1-2 up to 1 up to 1 large large large	up to 1 up to 2.5 large large large large large large large	1-2 2.5-5 183 up to 1 up to 2.5 183 up to 1 up to 2.5 183 up to 1 up to 2.5 183 large large 167 large large 146 large large 160	1-2 2.5-5 183 84 up to 1 up to 2.5 183 84 up to 1 up to 2.5 183 84 up to 1 up to 2.5 183 84 large large 167 75 large large 146 63.5 large large 160 71	1-2 2.5-5 183 84 2.5 hrs up to 1 up to 2.5 183 84 30 min up to 1 up to 2.5 183 84 45 min up to 1 up to 2.5 183 84 30 min large large 167 75 15 min large large 146 63.5 45 min large large 160 71 45 min

¹ Thickness measurements are based on the thickest section of the food and measured through the vacuumsealed pouch. Cooking times are for foods starting at refrigerator temperature. Add 15 minutes if starting from frozen.

large

167

75

20 min

20 min

large

Scrambled (5 eggs)

² Tough cuts of meat will heat through to serving temperature in the same time as tender cuts. We recommend longer cooking times for lean, tough cuts to tenderize them.
³ Eggs cooked in the shell should not be sealed in cooking pouches.