

Ground Chicken

Store Name	Brand/Label*	Organic	Antibiotic Claim	USDA Establishment Number	WGS Organism^	WGS Serovar	Antibiotic Resistance Genes (Y/N)	Number of Antibiotic Resistance Genes	Number of Antibiotic Resistance Classes
Fred Meyer/Kroger Lake City Way, Seattle, WA	Isernio's	N	None	P-1542	Salmonella enterica	Infantis	Y	9	4
H-E-B 17238 Bulverde Rd., San Antonio, TX	H-E-B	N	None	P-7231	Salmonella enterica	Infantis	Y	4	3
Big Y 141b Storrs Rd., Mansfield, CT	Perdue	N	No Antibiotics Ever	P-1243	Salmonella enterica	Typhimurium	Y	4	4
Jewel-Osco 1276 N. Main St., Crown Point, IN	Perdue	N	No Antibiotics Ever	P-2178	Salmonella enterica	Infantis	Y	9	5
Walmart 2936 E. 79th Ave., Merrillville, IN	Perdue	N	No Antibiotics Ever	P-1243	Salmonella enterica	Infantis	Y	4	3
Strack & Van Til 10851 Broadway, Crown Point, IN	Perdue	N	No Antibiotics Ever	P-2178	Salmonella enterica	Typhimurium	Y	3	3
Publix 1212 U.S. Hwy 19 S., Leesburg, GA	Perdue	N	No Antibiotics Ever	P-1243	Salmonella enterica	Infantis	Y	4	3
Acme 631 Mantua Pike, Woodbury, NJ	Perdue	N	No Antibiotics ever	P-1243	Salmonella enterica	Kentucky	Y	1	1
Walmart 474 Boston Post Rd., North Windham, CT	Perdue	N	No Antibiotics Ever	P-1243	Salmonella enterica	Infantis	Y	4	3
Target 3265 Berlin Turnpike, Newington, CT	Perdue	N	No Antibiotics Ever	P-1243	Salmonella enterica	Typhimurium	Y	3	3
Stop And Shop 55 Oak St., Glastonbury, CT	Perdue	N	No Antibiotics Ever	P-2178	Salmonella enterica	Braenderup	Y	1	1
Trader Joe's 3250 Dale Rd., Modesto, CA	Trader Joe's	Y	No Antibiotics Ever	P-2178	Salmonella enterica	Typhimurium	Y	5	4
Trader Joe's 3250 Dale Rd., Modesto, CA	Trader Joe's	N	No Antibiotics Ever	P-2178	Salmonella enterica	Typhimurium	Y	4	4
Whole Foods 1558 Kings Hwy., Cherry Hill, NJ	Whole Foods	Y	No Antibiotics Ever	P-2178	Salmonella enterica	Infantis	Y	8	5

continued

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Whole Foods 1558 Kings Hwy., Cherry Hill, NJ	Whole Foods	Y	No Antibiotics Ever	P-2178	Salmonella enterica	Infantis	Y	8	5
Whole Foods 1558 Kings Hwy., Cherry Hill, NJ	Whole Foods	N	No Antibiotics Ever	P-2178	Salmonella enterica	Infantis	Y	4	3
Whole Foods 55 Welles St., Glastonbury, CT	Whole Foods	N	No Antibiotics Ever	P-8437	Salmonella enterica	Infantis	Y	4	3
Shoprite 201 William Dalton Dr., Glassboro, NJ	Wholesome Pantry	N	No Antibiotics Ever	P-1250	Salmonella enterica	Typhimurium	Y	3	3
Shoprite 201 William Dalton Dr., Glassboro, NJ	Wholesome Pantry	Y	No Antibiotics Ever	P-2178	Salmonella enterica	Typhimurium	Y	3	3
Walmart 2936 E. 79th Ave., Merrillville, IN	Walmart/clear film	N	None	P-1	Salmonella enterica	Infantis	Y	1	1
Walmart 2936 E. 79th Ave., Merrillville, IN	Walmart/clear film	N	None	P-1	Salmonella enterica	Enteritidis	Y	1	1
Walmart 2250 Diers Ave., Grand Island, NE	Walmart/clear film	N	None	P-1	Salmonella enterica	Enteritidis	Y	1	1
Walmart 1515 N. Loop 1604 E., San Antonio, TX	Walmart/clear film	N	None	P-2178	Salmonella enterica	Infantis	Y	6	4

*Samples were purchased and tested from December 2021 to February 2022.

^Three hundred twenty-five (325) grams of ground chicken were processed and analyzed for Salmonella and Campylobacter. Meat portions were enriched with BPW. After the specified incubation time, each enrichment was tested for the presence of Salmonella using a multiplex PCR based method. Cultural confirmation was performed following methodology based on USDA/FSIS method, MLG 4.07, Salmonella. All confirmed isolates were re-streaked on the appropriate culture medium to confirm purity; the genome was analyzed using Whole Genome Sequencing (WGS).

The genomic library of each confirmed isolate was prepared using the Nextera XT DNA sample preparation kit (Illumina, CA). WGS was performed using the MiSeq desktop sequencer (Illumina) loaded with a paired-end 2 × 250 cycle MiSeq reagent kit version 3. The raw shotgun reads were then assembled using the SPAdes assembler (<https://cab.spbu.ru/software/spades/>). From the whole genome assembly, the presence or absence of various antibiotic resistance genes was determined using SRST2 software (<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-014-0090-6>).