

1. Record Nr.	UNISA996197293803316
Autore	Cassens Robert G (Robert Gene), <1937->
Titolo	Meat preservation [[electronic resource]] : preventing losses and assuring safety / / by Robert G. Cassens
Pubbl/distr/stampa	Trumbull, CT, : Food & Nutrition Press, c1994
ISBN	1-281-45023-5 9786611450236 0-470-38502-2 0-470-38480-8
Descrizione fisica	1 online resource (148 p.)
Collana	Publications in food science and nutrition
Disciplina	664 664.0928
Soggetti	Meat industry and trade Meat - Preservation Food - Preservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 113-123) and indexes.
Nota di contenuto	MEAT PRESERVATION; PREFACE; CONTENTS; 1 . INTRODUCTION; Early Origin of Meat Preservation; Establishment of the Meat Industry in America; Advent of Refrigeration; Changes in the Industry; Influence of the Military; Role of Transportation; Influence of the Consumer; Meat Sources; 2 . UNDERSTANDING MUSCLE AND MEAT; Composition; Structure; Ultrastructure and Function; Muscle Fiber Types; Growth; Postmortem Changes; Color; Utilization of Meat Science Information; 3 . THE MEAT INDUSTRY; Animal Production Practices; Slaughter; Further Processing of Meat; Regulatory Considerations; Distribution 4 . PRESERVATION AGAINST WHAT Appearauce and Palatability Changes; Proteolysis; Oxidation; Functionality; Spoilage; Growth of Microorganisms; Molds; Yeasts; Bacteria; Meatborne Diseases; Viruses; Parasites; 5 . PHYSICAL METHODS OF PRESERVATION; Heating; canning; Cooling; Freezing; Control of Moisture; Microwave Application; Irradiation; Ultrasound. High Pressure and High-Voltage Pulses; Packaging; 6 . CHEMICAL METHODS OF PRESERVATION; Curing; Salt; Nitrite; Sugar; Reductants; Spices and Seasonings; Phosphates;

Regulatory Control; Smoke; Antioxidants; Sulfite; Sorbates; Lactate; Acidulants

Carcass Rinses7 . MICROBIOLOGICAL METHODS OF PRESERVATION; Competition; Fermentation; Antimicrobials that Occur Naturally; Bacteriocins; Genetic Engineering; 8 . MANAGING PRESERVATION; Quality Control; Cleaning and Sanitation; Total Quality Management; Hazard Analysis Critical Control Points; Modeling; 9 . SUMMARY AND CONCLUSIONS; REFERENCES; INDEX

Sommario/riassunto

Meat Preservation is written as an integrated and all-encompassing text that includes historical aspects and trends, discussion of basic background information, the evaluation and status of techniques and procedures, and treatments of potential future developments. The latter are particularly important because based on consumer desires, there is a definite trend developing to produce and market meat and meat products that have been subjected to a lesser degree of preservation, yet appear to be fresh and more healthful. Today, there is an intense interest to produce the safest meat possi
