Record Nr. UNINA9911007083803321 Autore Lawrie R. A Titolo Lawrie's Meat Science Pubbl/distr/stampa Burlington,: Elsevier Science, 2014 **ISBN** 9781615831128 1615831126 9781845691615 184569161X Edizione [7th ed.] Descrizione fisica 1 online resource (461 p.) Woodhead Publishing Series in Food Science, Technology and Nutrition Collana Altri autori (Persone) LedwardDavid **Business & Economics** Soggetti Industries Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di contenuto Cover; Lawrie's meat science; Copyright; Dedication; Contents; Preface to seventh edition; Preface to first edition; Acknowledgements; Chapter 1 Introduction: 1.1 Meat and muscle: 1.2 The origin of meat animals: 1.3 Current trends and developments; Chapter 2 Factors influencing the growth and development of meat animals; 2.1 General; 2.2 Genetic aspects; 2.3 Environmental physiology; 2.4 Nutritional aspects; 2.5 Exogenous manipulation; Chapter 3 The structure and growth of muscle; 3.1 The proportion of muscular tissue in sheep, cattle and pigs; 3.2 Structure; 3.3 The growth of normal muscle 3.4 Abnormal growth and development in muscleChapter 4 Chemical and biochemical constitution of muscle; 4.1 General chemical aspects; 4.2 Biochemical aspects; 4.3 Factors reflected in specialized muscle function and constitution: Chapter 5 The conversion of muscle to meat: 5.1 Preslaughter handling; 5.2 Death of the animal; 5.3 General consequences of circulatory failure; 5.4 Conditioning (ageing); Chapter 6 The spoilage of meat by infecting organisms; 6.1 Infection; 6.2 Symptoms of spoilage; 6.3 Factors affecting the growth of meat-

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## Sommario/riassunto

Lawrie's Meat Science has established itself as a standard work for both students and professionals in the meat industry. Its basic theme remains the central importance of biochemistry in understanding the production, storage, processing and eating quality of meat. At a time when so much controversy surrounds meat production and nutrition, Lawrie's meat science, written by Lawrie in collaboration with Ledward, provides a clear guide which takes the reader from the growth and development of meat animals, through the conversion of muscle to meat, to the point of consumption. The seventh e