1. Record Nr. UNINA9910829990403321 Autore Ball G. F. M. **Titolo** Vitamins [[electronic resource]]: their role in the human body // G.F. M. Ball Oxford, : Blackwell Science, 2004 Pubbl/distr/stampa **ISBN** 1-280-21343-4 9786610213436 0-470-79017-2 0-470-77457-6 1-4051-4810-1 Descrizione fisica 1 online resource (450 p.) Disciplina 612.399 613.2/86 613.286 Soggetti Vitamins - Physiological effect Vitamins in human nutrition Vitamines en la nutrició humana Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Contents: 8.7 Immunoregulatory properties: 8.11 Toxicity: Further reading; Foreword; Preface; 1 Historical Events Leading to the Establishment of Vitamins; 1.1 Introduction; 1.2 Early studies of nutritionally related diseases; 1.3 Experiments on formulated diets; 1.4 Naming of the vitamins; Further reading; References; 2 Nutritional Aspects of Vitamins; 2.1 Definition and classification of vitamins; 2.2 Nutritional vitamin deficiency: 2.3 Stability and bioavailability of vitamins; 2.4 Vitamin requirements; Further reading; References; 3 Background Physiology and Functional Anatomy 3.1 Movement of solutes across cell membranes and epithelia3.2 The blood-brain, blood-cerebrospinal fluid and placental barriers; 3.3 Functional anatomy of the small and large intestine, liver and kidney;

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## Sommario/riassunto

This single-source reference draws together the current knowledge of the vitamins' biological properties in the context of human nutrition. Vitamins are co-enzymes, antioxidants or precursors of hormones and are therefore involved in a great many biochemical and physiological processes. They play a vital role in the maintenance of health, and there is evidence that dietary sources of vitamins have beneficial effects in the prevention of heart-related diseases, bone diseases and possibly cancer. Following introductory chapters on historical and nutritional aspects of vitamins, th