

TABLE OF CONTENTS, VOLUME I

Chapter 1	
Dispensable, Indispensable, and Conditionally Indispensable Amino Acid Ratios in the Diet.....	1
L. Preston Mercer, S. J. Dodds, and D. I. Smith	
Chapter 2	
Subdividing Amino Acid Requirements into Portions for Maintenance and Growth.....	15
F. N. Owens and J. E. Pettigrew	
Chapter 3	
Efficiency of Utilization of Amino Acids.....	31
J. Heger and Z. Frydrych	
Chapter 4	
Regulation of Intestinal Amino Acid Transport.....	57
E. Scharrer	
Chapter 5	
Measurement of Protein Synthesis in Animal Tissue <i>In Vivo</i>	69
S. R. Davis, P. M. Harris, and A. L. Schaefer	
Chapter 6	
Carbon-11 Labeled Amino Acid Analogs as Imaging Agents for <i>In Vivo</i> Study of Amino Acid Transport in Tumors and Organ Systems.....	81
P. S. Conti, H. F. Starnes, and J. R. Bading	
Chapter 7	
Absorption and Metabolism of Amino Acids Studied <i>In Vitro</i> , <i>In Vivo</i> , and with Computer Simulations.....	93
J. R. Reichl	
Chapter 8	
Methionine, Homocyst(e)ine, Cysteine—Metabolic Interrelationships.....	157
L. A. Smolin and N. J. Benevenga	
Chapter 9	
Histidine-Methionine Metabolic Interrelationships.....	189
L. Preston Mercer, C. D. Gifford, and S. J. Dodds	
Chapter 10	
Taurine in Biology and Nutrition.....	199
I. Zelinkovic and R. W. Chesney	
Chapter 11	
Interactions among Leucine, Isoleucine, and Valine with Special Reference to the Branched-Chain Amino Acid Antagonism.....	229
K. P. Block	
Index.....	245