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Nota di contenuto	Cover -- Table of Contents -- 1. The Language of Anatomy -- 2. The Microscope -- 3. Organ Systems Overview -- 4. The Cell: Anatomy and Division -- 5. The Cell: Transport Mechanisms and Cell Permeability -- 6. Classification of Tissues -- 7. The Integumentary System -- 8. Overview of the Skeleton: Classification and Structure of Bones and Cartilages -- 9. The Axial Skeleton -- 10. The Appendicular Skeleton -- 11. Articulations and Body Movements -- 12. Microscopic Anatomy and Organization of Skeletal Muscle -- 13. Gross Anatomy of the Muscular System -- 14. Skeletal Muscle Physiology: Frogs and Human Subjects -- 15. Histology of Nervous Tissue -- 16. Neurophysiology of Nerve Impulses: Frog Subjects -- 17. Gross Anatomy of the Brain and Cranial Nerves -- 18. Electroencephalography -- 19. The Spinal Cord and Spinal Nerves -- 20. Human Reflex Physiology -- 21. The Autonomic Nervous System -- 22. General Sensation -- 23. Special Senses: Anatomy of the Visual System -- 24. Special Senses: Visual Tests and Experiments -- 25. Special Senses: Hearing and Equilibrium -- 26. Special Senses: Olfaction and Taste -- 27. Functional Anatomy of the Endocrine Glands -- 28. Endocrine Wet Labs and Human Metabolism -- 29. Blood -- 30. Anatomy of the Heart -- 31. Conduction System of the Heart and Electrocardiography -- 32. Anatomy of Blood Vessels -- 33. Human Cardiovascular Physiology: Blood Pressure and Pulse Determinations -- 34. Frog Cardiovascular

Physiology -- 35. The Lymphatic System and Immune Response -- 36. Anatomy of the Respiratory System -- 37. Respiratory System Physiology -- 38. Anatomy of the Digestive System -- 39. Digestive System Processes: Chemical and Physical -- 40. Anatomy of the Urinary System -- 41. Urinalysis -- 42. Anatomy of the Reproductive System -- 43. Physiology of Reproduction: Gametogenesis and the Female Cycles. 44. Survey of Embryonic Development -- 45. Principles of Heredity -- 46. Surface Anatomy Roundup -- 47. Cell Transport Mechanisms and Permeability -- 48. Skeletal Muscle Physiology -- 49. Neurophysiology of Nerve Impulses -- 50. Endocrine System Physiology -- 51. Cardiovascular Physiology -- 52. Cardiovascular Dynamics -- 53. Respiratory System Mechanics -- 54. Chemical and Physical Processes of Digestion -- 55. Renal System Physiology -- 56. Acid-Base Balance -- 57. Serological Testing -- 58. Blood Analysis -- The Metric System -- Index.

Sommario/riassunto

Featuring extensive new instructor support materials for easier quizzing in the lab, this best-selling laboratory manual provides a wide variety of exercises and activities designed to meet the needs of any 2-semester anatomy & physiology laboratory course. Known for its thorough, clearly-written exercises, full-color art, and integrated tear-out review sheets, this lab manual gives students a complete hands-on laboratory and learning experience inside and outside of the lab. The new edition has been fully revised with even more accessible language and more than 50 new and improved cadaver and histology photos. It also features engaging new Group Challenge activities that encourage a more active learning experience in the lab. Intended for use with any A&P textbook, the lab manual is available in customized editions as well as in three conventional versions: Main (Tenth Edition), Cat (Eleventh Edition), and Fetal Pig (Eleventh Edition).
