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(Eds.)

Epithelial Secretion of Water and Electrolytes

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This volume aims to give a comprehensive overview of the cellular mechanisms underlying the process of secretion in vertebrate, particularly mammalian, exocrine glands. The subject matter is divided into two sections. The first section deals with general aspects of secretion, including chapters on the roles of ion channels in secretion. Signal transduction is also covered, and several chapters deal with recently developed investigative techniques that offer promise as tools for the further investigation of exocrine secretory processes. The second section deals with secretion in a selection of exocrine organs: salivary glands, lacrimal glands, the pancreas, gastric mucosa, liver, epididymis, and vertebrate salt glands. A final chapter deals with cystic fibrosis, the common, fatal, inherited disease, which affects exocrine glands particularly severely.

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