



The Laboratory **ZEBRAFISH**

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In the relatively brief span of only a few decades, the zebrafish (*Danio rerio*) has gone from being mainly a hobby fish to a mainstream model animal employed by scientists to study everything from stem cells to the basis of behavioral changes induced by drug addiction. These developments have allowed scientists to leverage the many advantages of the zebrafish system to address many important questions in biology and human genetics and disease.

However, there are few accepted and established standards for husbandry, management, and care for the fish in laboratory settings and even fewer comprehensive and consistently reliable resources. To this end, **The Laboratory Zebrafish:**

- Provides a quick reference source for technicians, investigators, veterinarians, managers, and regulatory personnel
- Covers a broad range of topics including husbandry, life support systems, regulatory compliance, technical procedures, veterinary care, and water quality management
- Discusses the humane use of zebrafish to study biological pathways, vertebrate development, carcinogenicity, drug development, genomics, gene function, mutagenesis screening, and toxicology
- Provides lists of sources of additional information on the zebrafish model, as well as key references, professional organizations, and suppliers of equipment and supplies used in zebrafish husbandry and care.

The aim of the book is not to set standards, but rather to provide scientifically grounded principles and fundamental information that can be used to design sound

 **CRC Press**
Taylor & Francis Group
an informa business
www.crcpress.com

6000 Broken Sound Parkway, NW
Suite 300, Boca Raton, FL 33487
270 Madison Avenue
New York, NY 10016
2 Park Square, Milton Park
Abingdon, Oxon OX14 4RN, UK

ISBN: 978-1-4398-0743-1



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Q959.46
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