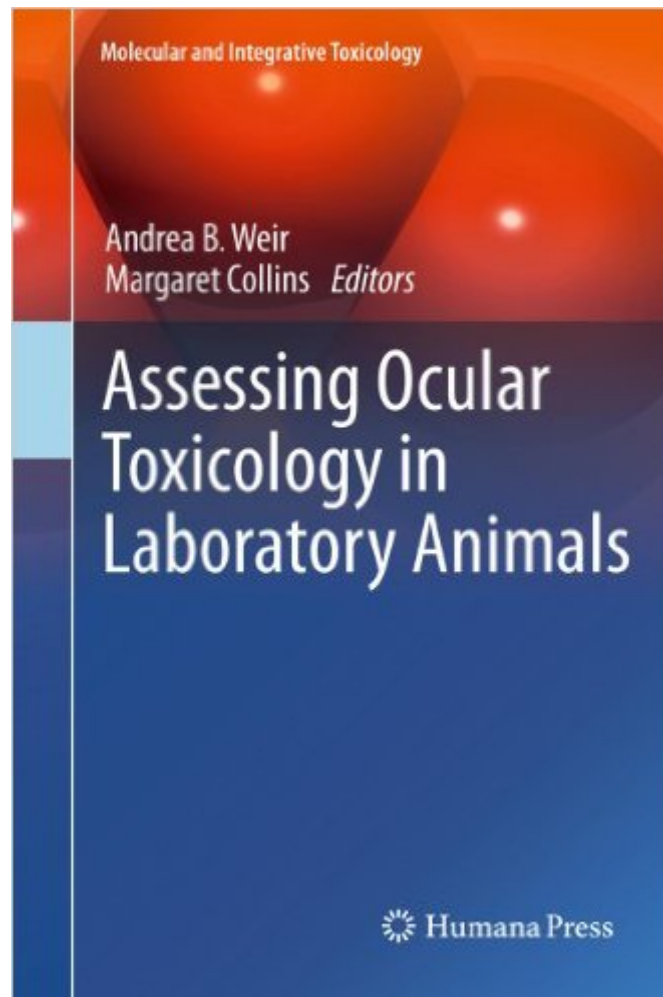


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# Assessing Ocular Toxicology In Laboratory Animals (Molecular And Integrative Toxicology)



## Synopsis

Ocular toxicity is routinely assessed in toxicology studies conducted for regulatory purposes. Ocular anatomy and physiology and the assessment of ocular toxicity itself can be challenging to scientists involved in the safety assessment of pharmaceuticals, pesticides and other agents. Anatomical and physiological differences between species can impact the nature of ocular effects observed following intended or unintended exposure of ocular tissues to xenobiotics. *Ocular Toxicity in Laboratory Animals* provides a concise reference addressing ocular anatomy and physiology across species that will enhance the design and interpretation of toxicology studies conducted for regulatory purposes. The book provides an overview of routine and advanced techniques that are used to assess ocular toxicity including slit lamp biomicroscopy, indirect ophthalmoscopy, electrophysiology and imaging methods for the anterior and posterior segments of the eye. Additionally, the book defines the regulatory expectations for pharmaceuticals intended to treat ocular diseases and for other non-pharmaceutical regulated chemicals. With contributions from experts in the field, *Ocular Toxicity in Laboratory Animals* is an authoritative, accessible guide for toxicologists and other scientists involved in conducting toxicology studies for regulatory purposes and/or reviewing data from such studies.

## Book Information

File Size: 4731 KB

Print Length: 338 pages

Page Numbers Source ISBN: 1627038973

Publisher: Humana Press; 2013 edition (December 4, 2012)

Publication Date: December 4, 2012

Sold by: Digital Services LLC

Language: English

ASIN: B00APXD9ZA

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #3,601,191 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #84

in Books > Medical Books > Veterinary Medicine > Ophthalmology #478 in Books > Medical

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