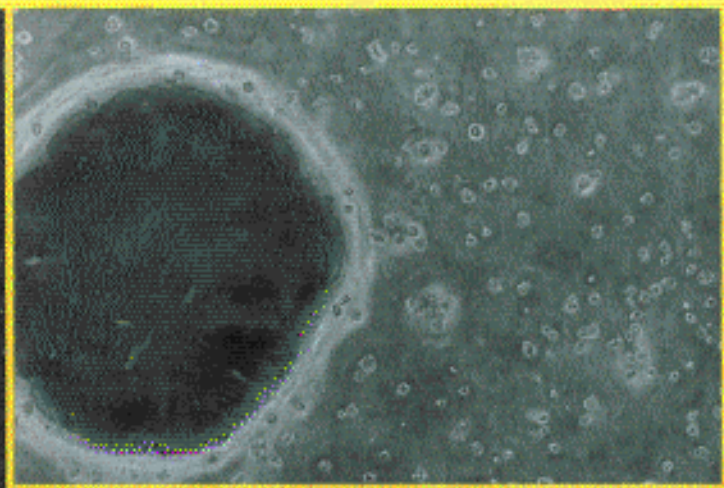


Toxicology Testing Handbook

Principles, Applications,
and Data Interpretation



edited by

**David Jacobson-Kram
Kit A. Keller**

Contents

<i>Preface</i>	v
<i>Contributors</i>	ix
1. Use of Laboratory Animals in Toxicology Studies <i>Kit A. Keller</i>	1
2. Toxicity Associated with Single Chemical Exposures <i>Andrew I. Soiefer and Elmer J. Rauckman</i>	19
3. Multidose Toxicity and Carcinogenicity Studies <i>Christopher Banks and Kit A. Keller</i>	33
4. Metabolism and Toxicokinetics <i>J. Caroline English</i>	73
5. Inhalation Toxicity Studies <i>Raymond M. David</i>	103
6. Genetic Toxicology <i>Donald L. Putman, Ramadevi Gudi, Valentine O. Wagner III, Richard H. C. San, and David Jacobson-Kram</i>	127
	vii

7. Developmental and Reproductive Toxicology <i>Kit A. Keller</i>	195
8. Neurotoxicology <i>Walter P. Weisenburger</i>	255
9. Toxicological Assessment of the Immune System <i>Gary J. Rosenthal and Dori R. Germolec</i>	291
10. Toxicological Pathology Assessment <i>Lynda L. Lanning</i>	315
11. Assessment of Laboratories for Good Laboratory Practice Compliance <i>Linda J. Frederick</i>	345
12. Use of Transgenic Animals for the Assessment of Mutation and Cancer <i>Robert Young and David Jacobson-Kram</i>	361
13. Health Risk Assessment of Environmental Agents: Incorporation of Emerging Scientific Information <i>Vicki L. Dellarco, William H. Farland, and Jeanette A. Wiltse</i>	389
<i>Index</i>	415