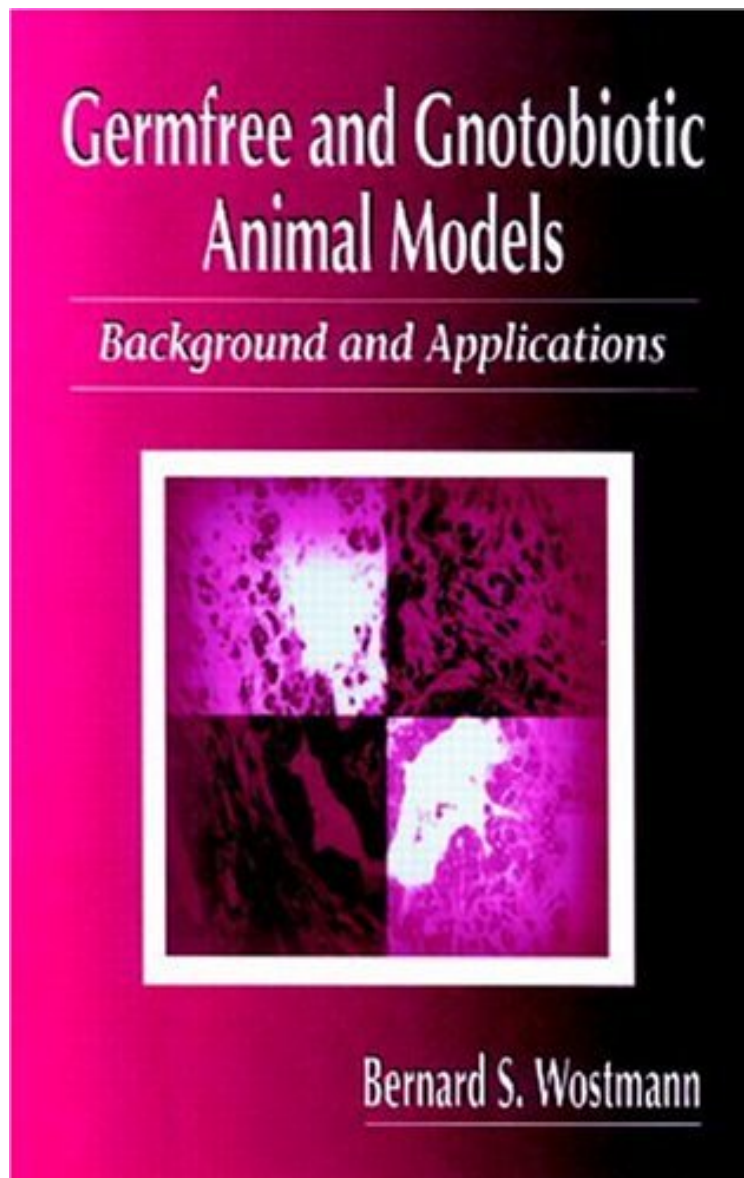


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# Germfree and Gnotobiotic Animal Models: Background and Applications

*Bernard S. Wostmann*

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## Animal Models: Background and Applications:

The germfree animal is reared in the laboratory to be bacteria free; its counterpart, the gnotobiotic animal, is exposed to select microorganisms. The need for such an animal model for use in biomedical studies was first expressed by Pasteur in the late 1800s. Subsequent development of germfree and gnotobiotic animals led to an explosion of studies on the effects of microflora and its components on the physiology and metabolism of the host. *Germfree and Gnotobiotic Animal Models* brings together the most notable points of early and recent studies and gives reference to the most pertinent literature.

From the Back CoverThe germfree animal is reared in the laboratory to be bacteria free; its counterpart, the gnotobiotic animal, is exposed to select microorganisms. These animal models are used extensively in biomedical research to study the effects of specific microorganisms on the host animal. *Germfree and Gnotobiotic Animal Models* brings together the most notable points of early and recent studies and gives reference to the most pertinent literature.