



The Parvoviruses

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Book Condition: New. Publisher/Verlag: Springer, Berlin | The Parvoviridae have been of increasing interest to researchers in the past decade. Their small size and simple structure have made them amenable to detailed physicochemical analysis, and from this work relatively detailed information has resulted that has significantly increased our understanding of the biology of these viruses. It has become clear that the Parvoviridae are of interest not only for their own sake, but also because their relative simplicity renders them useful probes in the study of the biology of host cells and of other DNA viruses with which they interact. The Dependovirus genus, for instance, contains the defective adeno-associated viruses (AAV), which require a coinfection with either an adenovirus or a herpesvirus for productive multiplication. Studies of AAV, therefore, necessarily impinge on our understanding of the control of macromolecular synthesis by the helper virus. Similarly AAV has been reported to inhibit the oncogenicity of both adenovirus and herpesviruses and has been used as a probe of mechanism in these instances as well. Finally, AAV establishes latent infections in vivo and is the only mammalian DNA virus where a comparable model system has been established...

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