



Coronavirus Replication and Reverse Genetics

By Luis Enjuanes

Springer Okt 2004, 2004. Buch. Book Condition: Neu. 235x155x23 mm. This item is printed on demand - Print on Demand Neuware - Human coronaviruses caused the SARS epidemic that infected more than 8000 people, killing about ten percent of them in 32 countries. This book provides essential information on these viruses and the development of vaccines to control coronavirus infections. Coronaviruses are the RNA viruses with the largest genome known to date (27 to 32 kb). Members of this virus family affect most domestic animal species, causing important socio-economical losses, and also infect humans. Human coronaviruses were known to cause the winter common cold, a mild infection without important pathological consequences except in immuno-compromised patients. Recently, two new human coronaviruses have emerged, one causing the Severe and Acute Respiratory Syndrome (SARS) that infected more than 8000 individuals, leading to more than 800 deaths in 32 countries. This epidemic mobilized the World Health Organization, which launched travel restrictions to certain parts of the world for the first time in the last 50 years. The fact that coronaviruses, as many other viruses, crossed the species barrier to infect humans has posed a serious challenge to scientists involved in animal and human health....



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