Viral Gene Techniques is a practical laboratory guide to current techniques of molecular biology and genetics. The volume is concerned with methods for the analysis of viral genes and chromosomes; DNA viruses and RNA viruses including HIV are discussed.

Key features

- **Methods presented for ease of use and ready adaptation to new systems**
- **Detailed experimental protocols included for:**

  Viral vectors—construction and use of DNA virus vectors (adenovirus, adeno-associated virus, vaccinia virus, Epstein–Barr virus)

  DNA viruses—virus/host interactions, viral chromosomes, transcription regulation (viruses discussed include herpes simplex, hepatitis B, SV40, JC, Epstein–Barr, adenovirus)

  Human Immunodeficiency Virus/retroviruses—quantitation of HIV-1 virus stocks and RNA, retrovirus reverse transcription/integration, retrovirus-mediated cell fusion, use as cell lineage markers

  RNA viruses—RNA virus assembly, analysis of RNA genomes, assays for RNA-binding proteins (viruses discussed include poliovirus, influenza virus, hepatitis delta virus)

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