

Virology Live Fall 2021
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Study Questions for session 25 – Therapeutic viruses

These questions are intended to summarize key points from this session and prepare you for the exams.

1. What is the single most important experimental advance that allows the production of virus vectors?
2. How are 'gutless' adenovirus vectors made? How are the vectors made free of helper virus?
3. What are advantages and disadvantages of AAV vectors? How are they produced?
4. The greatest advantage of retrovirus vectors is also their most serious problem. What is it and why?
5. What are the two general ways that virus vectors are used to treat monogenic diseases? Give examples of both.
6. How are viral vectors made specific for tumor cells? Describe ways to 'arm' them for increased killing of tumor cells and bystander cells. Is tumor clearance all about viruses simply killing tumor cells?