Measuring the HIV Reservoir Assessment

1. In latency, virus is __________ in a cell.
   a. Present and active
   b. Present but not active
   c. Absent and not active
   d. None of the above

2. When is the reservoir established in infection?
   a. During the last stages
   b. In the middle
   c. Very early
   d. Never

3. Can a person with HIV infection stop antiretroviral therapy once viral load is undetectable?
   a. Only under the discretion of a clinician
   b. Yes, because the reservoir will not activate
   c. In most cases, if the reservoir is eliminated
   d. No, because being off ART results in a viral rebound

4. Which of these places is LEAST likely to be the site of a reservoir?
   a. Brain
   b. Lymphoid tissue
   c. Salivary glands
   d. Genital tract

5. The earlier ART starts, the smaller the reservoir.
   a. True
   b. False

6. Which one of these is a method of measuring the reservoir?
   a. qPCR
   b. rPTR
   c. cPTV
   d. aDVC

7. Most of the latent HIV integrated DNA is defective provirus.
   a. True
   b. False
8. Which method of measuring the reservoir is considered the gold standard for measuring replication-competent provirus?
   a. qPCR  
   b. TILDA assay  
   c. Viral Outgrowth Assay  
   d. rtPCR

9. What are the challenges in measuring the reservoir?
   a. It is not entirely known how the reservoir is established  
   b. It is difficult to obtain samples of all potential reservoir locations  
   c. Mechanisms of viral persistence has not been fully elucidated  
   d. All of the above

10. Eliminating the reservoir is critical in order to achieve a sterilizing HIV cure.
    a. True  
    b. False
Answer Key
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