

High Yield Hints – HIV Infection

HIV causes AIDS, which attaches to a receptor called CD4. This receptor is present in the plasma membrane of WBC called Helper T cells. After binding to CD4, HIV enters the helper T cells via receptor mediated endocytosis. The new HIV copies bud off from the cell's plasma membrane and circulate into blood to infect other cells. HIV mainly damage Helper (CD4 +) T cells. Over 10 billion HIV viral copies may be produced each day. After a period of 2 to 10 years, the virus destroys enough CD4 + T cells that results immunodeficiency.

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