

The diagram illustrates the production and infection of an HIV-Luc vector. On the left, the **HIV-Luc producer cell** contains a plasmid **pNL4-3Luc(R-E-)**, a vesicle with **VSV-G** (marked with a '+'), and a vesicle with **Nef** (marked with a '±'). These components are processed to create a **Pseudotyped HIV-Luc vector**. This vector then infects a **recipient cell**. Inside the recipient cell, the vector's RNA is reverse-transcribed into DNA (marked with a '±') in the presence of **EED** and a **pTracer** plasmid. This process results in **Luciferase expression**, indicated by a downward arrow from the integrated DNA.

