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(pNL4-3.Luc.R-E-)

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The HIV-1 NL4-3 luciferase reporter vector contains defective nef, env, and vpr genes cloned into pUC19. This vector is competent for a single round of replication and requires cotransfection with env expression vector to produce infectious virus. A firefly luciferase gene is used as the reporter. This vector is useful for studying the role of the Nef and Vpr proteins in HIV infections and pathogenesis.

References

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Authors Nathaniel Landau, PhD

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