

LENTIVIRUS PRODUCTION

The Redox Molecular Signaling Core utilizes a 3rd Generation Lentiviral Packaging System to produce crude lentiviral preparations in cell culture supernatant. To initiate Lentivirus Production, contact the Redox Molecular Signaling core facility at RedoxMolSignalCore@lsuhsc.edu and schedule a meeting with Core Leaders to discuss the project timeline and deliverables.

To be provided by investigator:

- A completed Work Order Form brought to the meeting with Core Leaders.
- Lentiviral vector containing construct to be expressed. At least 10 µg of DNA should be provided at a concentration greater than or equal to 0.5 µg/µl.
- Vector map

To be generated by the core:

- Cell culture supernatant with lentiviral particles (~15 mls). The investigator may request either fresh or frozen viral stocks.
- Approximate viral titer. Average lentiviral particles concentrations range from 10⁶ -10⁸ transduction units per mL. Large constructs (8-10 kb) will likely give lower viral titers.

Timeline: 2 weeks