

## **DNA PLASMID PURIFICATION**

The Redox Molecular Signaling Core utilizes competent bacteria and DNA midi prep kits to purify plasmid DNA at transfection-ready concentrations. To initiate DNA Plasmid Purification, contact the Redox Molecular Signaling core facility at [RedoxMolSignalCore@lsuhsc.edu](mailto: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.
- DNA plasmid to be isolated. Plasmid can be provided in solution, blotted onto Whatman paper, or as transformed bacteria.
- Indication of antibiotic resistance cassette in the vector.
- Vector map if available.

### To be generated by the core:

- The core facility will return at least 250 µg of isolated DNA in 500 µl of Tris buffer.
- Bacterial glycerol stock containing the plasmid for future plasmid isolation.

Timeline: 1-2 weeks.