



Nitric Oxide Services, LLC

- ✔ More than 70 years of combined experience in life sciences nitric oxide (NO) research
- ✔ Bioanalytical detection of NO, NO₂, nitrate/nitrite/nitrosothiols, NO-heme, and other NO-metals in biological fluids such as blood, urine, cerebrospinal fluid, and bronchial-alveolar lavage, as well as cell culture media and tissue homogenates
- ✔ Cell viability and cytotoxicity studies including dose and time-response, and determination of ID50 assessing gaseous NO/NO-donors in mammalian and prokaryotic cells
- ✔ Custom synthesis and purification of NO-donor compounds from milligram (GLP) to kilogram (cGMP) scale
- ✔ Characterization of NO-donors and kinetic NO-release profiles using multiple analytic platforms such as HPLC, UV/Vis, FTIR, and head-space chemiluminescence analysis
- ✔ Design of custom projects tailored for NO delivery in a variety of healthcare applications
- ✔ Design and execution of pharmacokinetic and pharmacodynamic studies of NO donors undertaken with full IACUC approvals
- ✔ Validation and analysis to support research & development, clinical and commercial needs
- ✔ Gold standard analytical instrumentation and testing methods



For project consultation and Request for Proposal submission,

please contact jbauer@nitricoxidelab.com



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