SRI International performs the discovery and development services needed to take your lead candidate into the clinic. We conduct basic and translational research in the areas of sleep and circadian rhythms, cognition, pain and addiction, obesity, and type II diabetes using methodologies such as molecular biology, electrophysiology, microdialysis, and behavioral testing.

SRI currently offers in vivo models for Type I and Type II Diabetes, including Diabetic Neuropathy Testing.

**Type I Diabetes models include:**
- Non-obese diabetic mice (NOD) and related strains, model of spontaneous Type 1 diabetes (T1D) autoimmune disease.
- Multiple Dose Streptozotocin (MD-STZ) Induced Diabetes (mice and rats)

**Type II Diabetes models include:**
- Streptozotocin (STZ) Induced Diabetes (mice and rats)
- Alloxan Induced Diabetes (mice and rats)

### Blood Glucose Testing
We perform various types of glucose tests:
- oral glucose tolerance test (OGTT)
- post prandial (rodent chow meal test)
- intraperitoneal glucose tolerance test (IPGTT)
- intravenous glucose tolerance test (IVGTT)

Blood glucose can be measured on a fasting basis (collected after an 8 to 10 hour fast), randomly (anytime). Blood glucose is monitored with a regular glucose meter or Analox Instrument for more accurate readings or for glucose levels >600 mg/dL-900 mg/dL (5 µl sample).

### Streptozotocin (STZ) Induced Diabetic Neuropathy* (rats)
* The von Frey Monofilament Test is used to measure mechanical allodynia.

Compound delivery methods include: Intrathecal catheter (Yaksh’s method), kidney capsule, intravenous, oral, subcutaneous, intradermal, intranasal, patch implant, Alzet and/or external pump placement. Please inquire if you need a custom method of delivery.

### Other related models:
- Continuous Monitoring of Drinking Water or other liquids using an automated cage system. The system can record the drinking pattern (24/7 undisturbed) in normal and/or diabetic rats.
- Micturition (urine production or metabolites) monitoring using an automated cage system.
- Microsurgical Implant and Characterization of Medical Device Prototypes (e.g., glucose sensor testing and other components).
- Insulin pellets and device implants for slow release of insulin and/or insulin like compound delivery.
About SRI Biosciences

SRI Biosciences carries out basic research, drug discovery and drug development, and provides contract services. SRI has all of the resources necessary to take R&D from Idea to IND and beyond™—from initial discovery to the start of human clinical trials—and specializes in cancer, immunology and inflammation, infectious disease, and neuroscience. SRI’s product pipeline has yielded marketed drugs, therapeutics currently in clinical trials, and additional programs in earlier stages. In its CRO business, SRI has helped government and other clients and partners advance well over 100 drugs into patient testing. SRI is also working to create the next generation of technologies in areas such as diagnostics, drug delivery, medical devices, and systems biology.

About SRI International

Innovations from SRI International have created new industries, billions of dollars of marketplace value, and lasting benefits to society—touching our lives every day. SRI, a nonprofit research and development institute based in Silicon Valley, brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures. Government and business clients come to SRI for pioneering R&D and solutions in computing and communications, chemistry and materials, education, energy, health and pharmaceuticals, national defense, robotics, sensing, and more.

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