When you come to Battelle, you're getting more than a contract research organization. You're getting the power of the largest not-for-profit research and development organization in the world, with experience ranging from medical device engineering to safety assessment and countermeasures. That means we don't just conduct studies—we solve problems. Our expertise goes far beyond toxicology and life sciences research. We can bring in the right science and engineering talent to help you develop and validate new methods, design novel delivery mechanisms, and troubleshoot your most difficult study challenges. For decades, both commercial companies and government agencies have relied on Battelle to provide all of the experts they need under one roof.

What can we solve for you today?
Contact us to find out how we can help with your toxicology needs.

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• Facilities for all common laboratory species, including rodents, rabbits, ferrets, guinea pigs, canines, swine (miniature and full size), and non-human primates
• Highly controlled, GLP-compliant facilities
• High-throughput testing capabilities
• Automated and semi-automated systems for data acquisition and control available for studies requiring a high degree of precision
• BSL-2 and BSL-3 high-containment testing facilities for highly infectious pathogens and high-hazard chemical agents
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OUR LIFE SCIENCES RESEARCH FACILITIES

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TO WORK FOR YOU

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Research team for the answers you need. No other organization brings together more experts, risks of an industrial or agricultural chemical, you can count on the Battelle Life Sciences Whether you’re trying to get a new vaccine or therapeutic to market or quantify the exposure molecule and biologic pharmaceuticals, Vaccines, industrial chemicals, agrochemicals, and hazardous chemicals, chemical and biological warfare agents. At our studies are conducted under strict EPA, OECD and international guidelines to ensure accurate, reliable and defensible results.

General Toxicology Battelle provides industry-leading general toxicology services for the pharmaceutical, biotechnology, medical device, industrial chemical and agrochemical industries and government agencies. Whether you need expertise in non-traditional toxicology services, we can design or customize a study to meet your unique needs. Our experience includes small molecule and biologics as well as complex mixtures, radiolabeled compounds, HPLC and GC/MS select agents and tools, and environmental contaminants. We conduct studies with all laboratory species using a range of delivery mechanisms, including oral, subcutaneous, intramuscular, subdermal, intravenous, and inhalation. We offer a comprehensive suite of standard inhalation toxicology studies as well as custom solutions to address unique problems. Our experts can design, test and characterize novel inhalation delivery systems, develop new methods of aerosolizing compounds, and determine precise dosing concentrations for your study requirements. We conduct both nose/head-only and whole-body exposure inhalation studies for all laboratory species in highly controlled, GLP-compliant facilities with BSL-3 and BSL-3 laboratory certification and extensive experience with hazardous chemicals, we can test all kinds of substances, including pharmaceuticals, agrochemicals, industrial chemicals and radiological and chemical warfare agents. Our teams include in-house pathology and chemists staff and laboratories for end-to-end service, including pharmacokinetic and pharmacodynamic studies.

Inhalation Toxicology Battelle conducts development and reproductive toxicology studies for product registration and safety evaluation. We are currently expanding the capabilities of our DART lab, by the end of 2016, we will offer a full battery of tests including fertility, developmental toxicity (teratology), juvenile studies (canine and rodent) and multigenerational reproductive studies.

Our DART capabilities include inhaled micelles, biologics, vaccines, industrial chemicals, agrochemicals, and hazardous chemical and biological agents. All of our studies are conducted under strict EPA, OECD and international guidelines to ensure accurate, reliable and defensible results.

Neurotoxicology We offer a complete package of central nervous system (CNS) testing for safety pharmacology, drug development and environmental toxicology, including Tier I (Functional Behavioral Battery), Tier II (Behavioral testing) and Tier III (EEG monitoring and neuropathological analysis) studies.

Our cardiovascular services include state-of-the-art telemetry, anesthesia preparations, and isolated (perfused) heart assays. We offer a comprehensive package of cardiovascular and pulmonary studies under GLP conditions to meet your safety pharmacology and product safety testing needs.

We facilitate accommodate both home cage and isolation box trials for a range of laboratory species, and utilize state-of-the-art equipment and methods for accurate, reliable detection of even subtle effects. In addition, we can fully integrate your required cardiovascular, pulmonary and DVG testing to streamline product registration and safety testing.

Confirmed and Reproductive Toxicology (DART) Battelle conducts development and reproductive toxicology studies for product registration and safety evaluation. We are currently expanding the capabilities of our DART lab, by the end of 2016, we will offer a full battery of tests including fertility, developmental toxicity (teratology), juvenile studies (canine and rodent) and multigenerational reproductive studies.

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Put the power of Battelle to work for you.

Our service includes small molecule and biologics as well as complex mixtures, radiolabeled compounds, HPLC and GC/MS select agents and tools, and environmental contaminants. We conduct studies with all laboratory species using a range of delivery mechanisms, including oral, subcutaneous, intramuscular, subdermal, intravenous, and inhalation. We offer a comprehensive suite of standard inhalation toxicology studies as well as custom solutions to address unique problems. Our experts can design, test and characterize novel inhalation delivery systems, develop new methods of aerosolizing compounds, and determine precise dosing concentrations for your study requirements. We conduct both nose/head-only and whole-body exposure inhalation studies for all laboratory species in highly controlled, GLP-compliant facilities with BSL-3 and BSL-3 laboratory certification and extensive experience with hazardous chemicals, we can test all kinds of substances, including pharmaceuticals, agrochemicals, industrial chemicals and radiological and chemical warfare agents. Our teams include in-house pathology and chemists staff and laboratories for end-to-end service, including pharmacokinetic and pharmacodynamic studies.

Where you’re trying to get a new vaccine or therapeutic to market or quantify the exposure risks of an industrial or agricultural chemical, you can count on the Battelle Life Sciences Research team for the answers you need. No other organization brings together more experts.
We offer a comprehensive suite of toxicology services backed by decades of experience in pre-clinical research, industrial toxicology and environmental exposure studies. Our toxicology team brings together world-class analysts, bioanalysts and statisticians with board-certified pathologists, toxicologists and ecotoxicologists for an integrated approach to toxicology.

**Our Services**

**General Toxicology**
- Battelle provides industry-leading general toxicology services for the pharmaceutical, biotechnology, medical device, industrial chemical and agrochemical industries and government agencies. Whether you need expertise in non-traditional toxicology services, we can design or customize a study to meet your unique needs.
- Our experience includes small molecules and biologics as well as complex mixtures, radionuclides,的心情, HSH, and USP select agents and tools, and environmental contaminants. We conduct studies with all laboratory species using a range of delivery mechanisms, including oral gavage, slow water, dose feed, dermal, subcutaneous, intramuscular and inhalation.

**Inhalation Toxicology**
- Battelle offers a comprehensive suite of standard inhalation toxicology studies as well as custom solutions to address unique problems. Our experts can design, test and characterize novel inhalation delivery systems, develop new methods of aerosolizing compounds, and determine precise dosing concentrations for your study requirements.
- We conduct both nose-only (I) and whole-body exposure inhalation studies for all laboratory species in highly controlled, GLP-compliant facilities. With BSL-2 and BSL-3 laboratory certification and extensive experience with hazardous chemicals, we can test all kinds of substances, including pharmaceuticals, agrochemicals, industrial chemicals and ecological and chemical warfare agents. Our teams include in vivo pathology and chemistry staff and laboratories for whole-body analysis, including pharmacokinetic and pharmacodynamic studies.

**Developmental and Reproductive Toxicology (DART)**
- Battelle conducts developmental and reproductive toxicology studies for product registration and safety evaluation. We are currently expanding the capabilities of our DART lab. By the end of 2016, we will offer a full battery of tests including fertility, developmental toxicity (teratology), juvenile studies (cano and robust) and multigenerational reproductive studies.
- Our DART capabilities include in vivo microsomes, biologics, vaccines, industrial chemicals, agrochemicals, and hazardous chemical and biological agents. All of our studies are conducted under strict EPA, OECD and international guidelines to ensure accurate, reliable and defensible results.

**Neurotoxicology**
- We offer a comprehensive package of central nervous system (CNS) testing for safety pharmacology, drug development and environmental toxicology including Tier I (Functional Observational Battery), Tier II (Behavioral testing) and Tier III (EEG monitoring and neurophysiological analysis).

**Cardiovascular and Pulmonary Toxicology and Safety Pharmacology**
- Our cardiovascular services include standard-tier telemetry, anesthesia preparations, and isolated (pericardial) heart assays. We offer a comprehensive package of cardiovascular and pulmonary studies under GLP conditions to meet your safety pharmacology and product safety testing needs.
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**Team Approach**
- In the battle, we believe that building trust through collaboration is critical to your project’s success. We work hand-in-hand with your internal research department to understand your needs and tailor our best approach to meet your goals.

**Comprehensive Services**
- We are a full-service solution, drawing on pathology, injury engineering, everything you need in one place.

**Extensive Experience**
- For decades, government agencies and commercial clients have come to Battelle for leading-edge toxicology. Our project portfolio includes extensive work with small molecules and biological pharmaceuticals, vaccines, agrochemicals, radionuclides, chemicals and biological warfare agents and nanoparticles.
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Your need for new clinical and non-clinical toxicology studies is increasing. How are you going to keep up? Battelle can help. Batta...
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Pre-Clinical Toxicology
Industrial Toxicology
Environmental Exposure Studies
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