

Product Safety Labs

over 40 years of service



Pesticides, Agrochemicals and Biocides

Product Safety Labs (PSL) has provided over 40 years of GLP testing services to the agrochemical, pesticide and biocide industries. PSL conducts thousands of toxicology and analytical chemistry studies each year in support of the agrochemical and pesticide industries. In addition, we offer support to the growing market place for Microbial Pest Control Agents (MPCA) and other biopesticides.

Toxicology

As a leader in toxicology research and testing, PSL has developed an outstanding reputation for providing excellent service and superior value. PSL conducts toxicology studies in accordance with national and international regulatory guidelines and GLP standards (i.e. FDA, OECD, EPA-OCSP, ICH, CPSC, EU, JMAFF). PSL's services include:

General Toxicology

- Single and repeat dose studies in rodents (up to six months in duration)
- Routes of exposure include; Oral, Dermal, Inhalation and Dietary
- Neurotoxicity assessments, including functional observation battery (FOB) and motor activity (MA)
- Immunotoxicology assessments
- Pathology peer reviews

Developmental and Reproductive Toxicology

- Reproductive toxicity and developmental screens
- One and Two-generation reproductive toxicity
- Prenatal developmental toxicity (Teratogenicity) rat, rabbit

Genotoxicity

- In vitro gene mutation (Ames) testing
- In vitro tests
 - Micronucleus Assay
 - Chromosome aberration
 - Mouse Lymphoma Assay
- In vivo tests
 - Micronucleus Assay
 - Chromosome aberration
 - Pig-a assay



Additional testing available

PSL@productsafetylabs.com

www.productsafetylabs.com

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Dayton, NJ 08810

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Analytical Chemistry

PSL also offers product chemistry that supports your regulatory submission. We can perform analysis on actives (AIs), end-use products (EUPs) and generic actives. Our studies meet all international GLP standards and are suitable for submission globally. PSL has extensive experience with the following study types.

- Physical/Chemical Properties
- Storage Stability/Corrosion
- Chemical Characterization
- 5-Batch Analysis



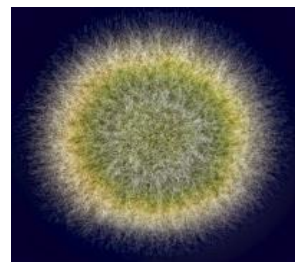
Five batch analysis is a particular area in which we have expertise. Over the past several years PSL has evaluated over 100 unique active ingredient chemicals. Call one of our analytical experts at Product Safety Labs to help you design a study to meet your objectives. PSL also provides analytical support for GLP mammalian toxicology, including inhalation atmosphere analysis, method development, diet/dose analysis, homogeneity and stability.

Endocrine Disruptor Services

PSL can partner with you to help fulfill necessary data submission EPA requirements. We offer the full **Tier 1 battery** of services including both *In vitro* and *In vivo* testing.

Biopesticides

PSL offers services to support your **Microbial Pest Control Agents (MPCA)** including all of the EPA 885 series pathogenicity testing that is required for registration. PSL also offers testing on **Biochemical Biopesticides** including growth regulators, pheromones, organic acids and plant extracts.



Antimicrobial Efficacy

PSL performs sanitizing, disinfection and antimicrobial efficacy studies on active ingredients and formulations for global regulatory submission. These services are available as screening tests for research and development purposes or can be conducted under GLP to meet your registration requirements (OECD, EPA, and FDA)



Testing services provided by PSL include:

- Disinfectant and sanitizing efficacy tests on antimicrobials following appropriate guidelines (OPPTS 810.2000 to 2300) and according to the relevant ASTM and AOAC efficacy methods and the EPA OPP microbial SOPs.
- ASTM and EN efficacy tests on volunteers to evaluate efficacy on hand sanitizers (against bacteria, fungi and viruses).
- Disinfection and sterilization studies on compounds used on medical equipment as required by FDA (510k or PMA).
- MIC (minimum inhibitory concentration), MBC (Minimum Bactericidal Concentration), time-kill tests on new substances and mixtures at R&D stage.



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Product Safety Labs...Superior Service, Reliability and Results.

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