

Lead the Way to a Greener Future with Our Biodegradability Solutions



At INTOX, an Aragen company, we offer comprehensive **Biodegradability Solutions** to help you launch green and environment friendly products and ensuring compliance with regulatory guidelines.

We conduct biodegradability tests for a wide range of products, such as agrochemicals, industrial chemicals, medical and healthcare products, lubricants, and packaging materials. Our GLP (Good Laboratory Practice) studies adhere to various methods and regulations, including OECD, ISO, ASTM, US-EPA, FIFRA, BIS, REACH, and EU methods, ensuring your products meet environmental standards of different global markets and promote a greener future.

Testing Tiers

Ready Biodegradability: Assesses rapid degradation by microorganisms under aerobic conditions, requiring at least 70% DOC removal within 28 days.

- DOC Die-Away
- CO₂ Evolution (Modified Sturm Test)
- MITI (I) (Ministry of International Trade and Industry, Japan)
- Modified OECD Screening
- Manometric Respirometry
- CO₂-Headspace Test

Inherent Biodegradability: Evaluates the potential of a substance to degrade under specific conditions to measure the percentage of DOC removed over time.

- Modified MITI Test (II)

Simulation Testing: Examines biodegradability in environments mimicking real-world conditions (e.g., wastewater systems) to predict environmental behavior.

- Validation Study (9-12 weeks duration)
- Biodegradability in Seawater
 - Shake Flask Method (60 days test)
 - Closed Bottle Method (28 days test)
- Aquatic Ecotoxicology- Activated sludge, respiration inhibition test

These tests are crucial for regulatory compliance and environmental safety, helping to identify chemicals that can be safely used without causing long-term ecological harm. Overall, they provide a structured approach to evaluate the environmental impact of chemicals.

Why Choose INTOX?

- **Comprehensive Testing:** Delivering a diverse array of biodegradability tests designed for various product categories.
- **Competitive Edge:** Providing precise and reliable results through advanced equipment and expertise to meet the highest standards.
- **Customizable Services:** Tailoring our solutions to fit your specific requirements for optimal results.

Together, let's create a greener tomorrow!
Contact us to learn more about our services.

