

Radiolabelled Services for Agrochemicals

Pharmaron provides industry leading GLP radiolabelled services to our agrochemicals clients. We offer a comprehensive range of studies to assess the fate of compounds in different environmental compartments (soil, sediment, water) and the nature of residues in crops and livestock. We can perform *in vivo* metabolism studies in laboratory species and in *vitro* species comparison. Our environmental fate and metabolism services can be closely integrated with the radiosynthesis of test materials.

Capabilities

- Custom Radiosynthesis of ^{14}C and ^3H Compounds
- GLP Certificates of Analysis
- Environmental Fate
- Plant Metabolism
- Laboratory Animal Metabolism
- Livestock Metabolism
- Dermal Penetration
- Cross-species Comparative Metabolism
 - $^{14}\text{C}/^3\text{H}$
 - Non-labelled
- Metabolite Profiling and Identification
- Chiral Analysis
- Program Management

OECD Studies

Environmental Fate

- OECD 106 - Adsorption/Desorption
- OECD 111 - Hydrolysis as a Function of pH
- OECD 507 - High Temperature Hydrolysis (Processing Study)
- OECD 307 - Aerobic and Anaerobic Transformation in Soil
- OECD 308 - Aerobic and Anaerobic Transformation in Aquatic Sediment Systems
- OECD 309 - Aerobic Mineralization
- OECD 316 - Phototransformation of Chemicals in Water - Direct Photolysis
- OECD Draft - Soil Photolysis
- Water Treatment Simulation

Laboratory Animal Metabolism

- OECD 417 - Toxicokinetics

Plant and Livestock Metabolism

- OECD 501 - Metabolism in Crops
- OECD 502 - Metabolism in Rotational Crops
- OECD 503 - Metabolism in Livestock

Dermal Penetration

- OECD 427 - Skin Absorption: *in vivo* Model
- OECD 428 - Skin Absorption: *in vitro* Method