



**Delivering value in preparative
enzymic synthesis of
glucuronide metabolites**

Industrial Research's bioprocessing capability is focused on the in-vitro enzymic synthesis of glucuronide metabolites of xenobiotics.

Key expertise

- ▶ Drug candidates in clinical trials
- ▶ Drugs of abuse
- ▶ Pesticides
- ▶ Pollutants

We are able to produce the metabolites required for calibration and assay testing in drug metabolism studies at a scale ranging from milligram to gram quantities. Our efficient service has ensured that most of our work is done for repeat clients, which include some of the largest biotechnology and pharmaceutical companies in the world.

Track record

- ▶ We have ongoing contracts with both large and small companies in the biotechnology and pharmaceutical industry
- ▶ Repeat clients rely on us for our high quality standards, responsiveness and efficiency
- ▶ Industrial Research was a partner in supplying drug standards for the Australian Government Analytical Laboratories for use in the Sydney 2000 Olympics.

Focused capability

Assured confidence in delivery

We can conduct inexpensive feasibility studies prior to undertaking any major project in order to demonstrate proof-of-concept as well as provide clients with accurate estimates of production costs and yields.

Range of enzyme systems

Our ovine or porcine liver enzyme systems enable glucuronidation of a wide variety of compounds with correct natural stereochemistry and minimal likelihood of degradation or rearrangement.

Convenience

In-house NMR, HPLC, UPLC and LCMS facilities allow us to provide material that meets client specifications for identity and purity and the chemistry of the compound under investigation.

Fast & efficient service

Feasibility studies can be completed in as little as two to three weeks and a larger scale synthesis in four to ten weeks, depending on client requirements, yield and complexity of the reaction.

For all enquiries please contact the Industry Engagement team on 0508 CALL IRL (0508 225 5475). If calling from overseas phone +64 4 931 3000 or visit the *Contact Us* page on our website.

www.irl.cri.nz

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