



Product Development

Great Science. Great Service.

Part of the Envirolab Group



How LABTEC Can Help

Start with us to make your concept a commercial reality, or if you are already underway, let us help you with the next step

LABTEC is the preferred partner for customers seeking **turnkey solutions** for product development, formulation, patent specifications, stability testing, manufacturing process, troubleshooting and ongoing support.

During the last 10 years, we have helped numerous clients across New Zealand fulfil the timely expansion of their product portfolio in what can commonly be a highly competitive market.

Whether you are looking for full product development or you need to meet a specific milestone, our services are customised to deliver your goals on time and within budget.

Agricultural Chemicals

Pesticides, herbicides and adjuvants in the form of soluble concentrate (SL), emulsifiable concentrate (EC), suspension concentrate (SC), oil-in-water emulsion (EW), suspo-emulsion (SE), water dispersible granules (WG), ready-to-use liquid (RTU), gels and baits.

Domestic Cleaning Products

Hard surface cleaners, dish washing liquid and laundry detergent complying with Environmental Choice specifications.

Veterinary Medicines

Anthelmintics, minerals, antibiotics, nutrients and health management that may come in the form of injectables, pour-on, spray-on, oral drench, oral paste and intramammary infusion.

Innovative Industrial Products

Cleaners, fillers, adhesives and UV coating for improved properties.

From Concept to a Commercial Reality

Regular Services and On-Going Support

Formulation, Patent and Manufacturing Process

- Define our client's requirement with confidentiality agreement
- In-house patent search and patent analysis
- Formulation development (reverse-engineering or performance based)
- Selection of production equipment and manufacturing process
- Specifications and procurement of raw materials
- Technical support for patent application (patent specifications and claims)
- Hazard classification of products and compilation of material safety data sheet (MSDS)

Process Scale-Up

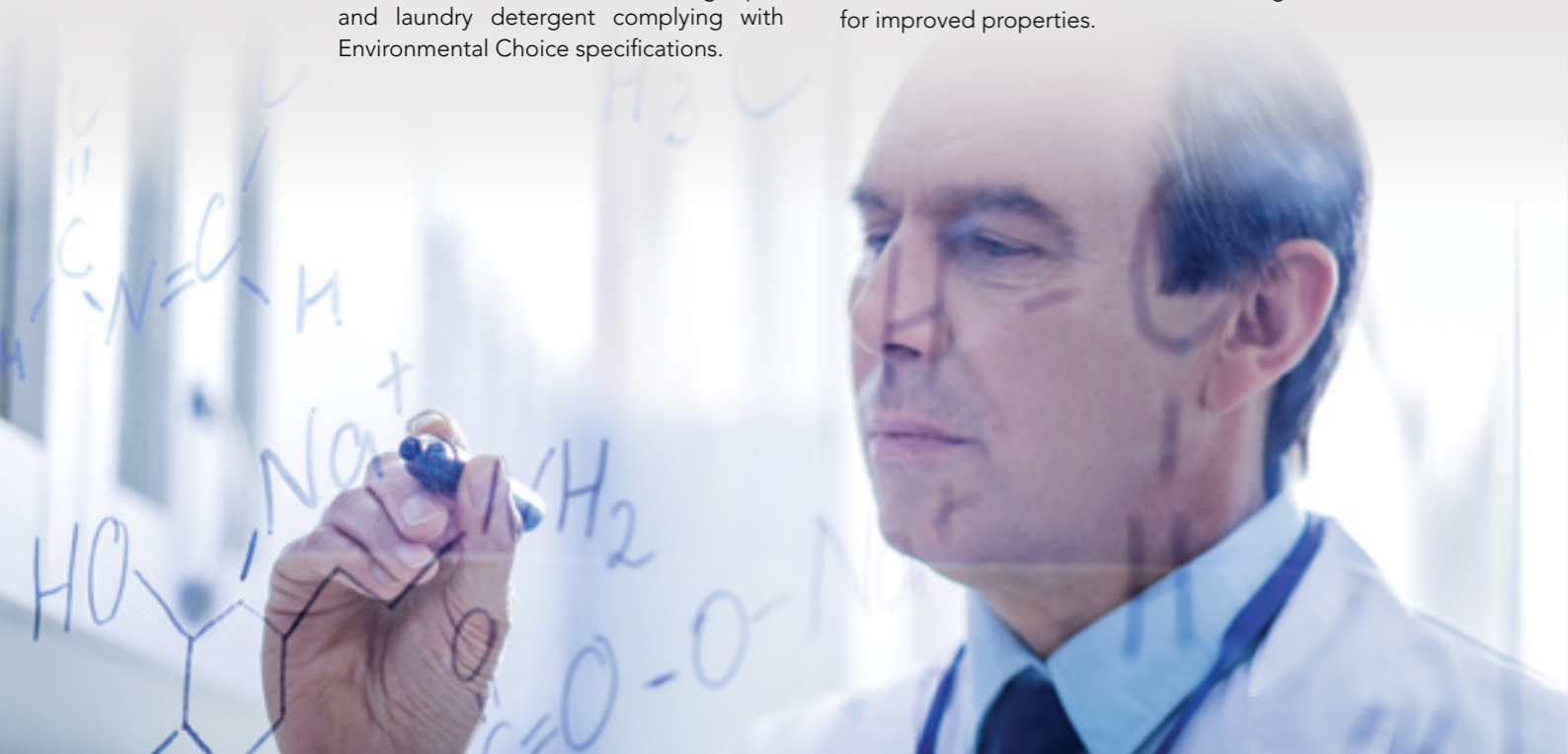
- In-house pilot batch up to 200L for liquid, 20L for suspension, emulsion and 10kg for paste
- Technology transfer and site visit for manufacturing advice

Stability Test and Product Registration

- Analytical test method development and validation
- Testing of product stability for shelf-life (real-time or accelerated)
- In-vitro product comparison with reference product
- Therapeutic equivalence document for registration support

On-going Support


- **Manufacturing:** acceptance testing of raw materials, in-process QC samples, production waste and equipment cleaning sample.
- **Process troubleshooting:** investigation for abnormal or out-of-specification finished products and provide practical advice for remediation.
- **Product QC release:** acceptance test of samples against specifications such as assay and other parameters
- **Field applications:** testing of field complaint samples, compatibility test against use with other products



We can help you with:

- › Chemical Analysis
 - › Product Development
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About LABTEC. Envirolab Services (NZ) Ltd, trading as LABTEC is part of the Envirolab Group. The Envirolab Group business units - Envirolab Services Pty Ltd in Sydney, Melbourne, Adelaide, Brisbane and Darwin; and Envirolab Services (WA), which trades as MPL Laboratories in Perth deliver the highest level of quality and service for scientific laboratory testing in Australia.



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