



ONSITE TESTING FOR BACTERIAL CONTAMINATION OF FOOD AND WATER

B2P's unique on site testing system accurately identifies bacterial contamination in food and water samples, sending analyzed results in as little as two hours.

THE CHALLENGE

According to research completed by the Centers for Disease Control and Prevention in the United States there are 76 million cases of food poisoning annually. These result in 325,000 hospitalizations, 5,000 deaths and a total cost of over US\$100 billion (Food-Related Illness and Death in the United States, 1999).

Testing for dangerous bacteria currently requires skilled staff, highly sophisticated centralized laboratories and involves a time consuming process.

Current bacterial contamination testing takes between 22 and 72 hours from receipt of a sample at a laboratory and test initiation.

THE SOLUTION

B2P provide a range of products that enable the fast identification of bacterial contamination at all stages of the supply chain from 'farm to fork.'

Testing can be completed in under two hours for a highly contaminated material and between 12 and 14 hours for a confirmed negative test, as required for potable water.

By monitoring contamination, major losses can be minimized before distribution and consumption, preventing both the human and business costs of food and water poisoning.



THE BENEFITS

- Illness, hospitalization and death from food and water poisoning can be reduced.
- Data can be gathered at any point of the supply chain, rapidly identifying and containing the source of contamination.
- Reduces product wastage.
- High integrity results from any location, e.g. remote locations through to sophisticated laboratories.
- Automated testing process reduces human error.
- No laboratory and no qualification or training required.
- Reduces potential risk of company brand damage from food and water contamination and product recalls.





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WHY IS B2P UNIQUE?

- Speed – B2P is faster than any other testing system.
- Portability – B2P allows accurate testing to be completed onsite with no need for specialist testing laboratories.
- Accessibility – field-based personnel can complete the B2P testing process.
- Audited – the B2P database audits every file independently, for correct instrument function and verification of the test result.



THE TECHNOLOGY

B2P is a safe, simple and stand alone bacteria testing system. The B2P process uses a portable (or fixed rack) incubator/analyzer/quantifier and data logger.

B2P has patents on their release mechanism/delivery system, BottleColiquik test and instrument. The growth media used in the B2P test bottles is Association of Analytical Chemists standard approved.

Terminal irradiation of all test bottles eliminates the possibility of false positives occurring from B2P packaging. False negatives due to a toxic matrix or the base sanitizer are moderated by the auditing of every result.

THE TEAM

B2P Limited is a New Zealand-based biotechnology company led by Dr Rosemary Sharpin PhD, BSc and a team of highly qualified professionals. B2P Limited has recently been recognized as a finalist in the **New Zealand Trade and Enterprise Focus on Health Challenge**, a highly competitive initiative to identify innovation in the health sector and assist in its commercialization into the United States market.

B2P's business model is based on outsourcing manufacturing, logistics and database management. Sales and distribution will be licensed by geographic region with B2P who already have a client base in New Zealand, Australia, Africa and Ireland.

B2P is entering the United States market through the water and waste system providers as well as the 'leafy greens' and meat industry.

There is also an opportunity to introduce B2P to the shellfish, poultry and hospitality industries as a risk management concept within the insurance industry.



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