BPC INSTRUMENTS

BPC Instruments

Company

Biodegradability testing. More data. Less manual work.

We develop automated laboratory instruments that help companies understand how materials break down under controlled biological conditions. Our systems combine gas measurement, software and application support to make testing easier to run and results easier to interpret.

Founded in 2005 from research at Lund University, we are based in Sweden and serve customers in more than 90 countries. Our expertise spans biodegradability, compostability, biogas and other biological processes.

Fields of activity

For polymer producers, packaging developers and testing laboratories, we provide instruments and analysis services to evaluate biodegradation. BPC® Blue follows the rate and extent of biological breakdown, helping users compare formulations and assess material behaviour in a defined test environment.

Automated measurement reduces repetitive sampling and data handling during tests that can run for weeks or months. Laboratories can add biodegradability testing to their services or expand existing capacity with less demand on staff time.

From material development to test results

Whether you are developing a new polymer, assessing an additive or comparing finished materials, we help you choose a suitable test setup. Our offering covers laboratory instruments, sample analysis, practical training and technical support.

Customers can establish testing in their own laboratory or use our analysis service for screening studies and specific projects. We support experimental design and interpretation so the results can guide the next stage of development.

FOUNDATION
2005 · Lund, Sweden

TURNOVER
~ SEK 65.0 million
Net sales, 2025

EMPLOYEES
31

CUSTOMERS
Polymer and material producers
Packaging developers
Independent testing laboratories
Universities and research institutes
Chemical and additive companies

KEY TOPICS
Biodegradability
Compostability
Material development
Aerobic and anaerobic testing
Automated respirometry

KEY SERVICES
Laboratory instruments
Sample analysis and reporting
Training and application support

MORE INFORMATION
Headquartered in Lund, Sweden.
Subsidiary in Haining, China.
Customers in over 90 countries and partners in 16.

www.bpcinstruments.com

Biodegradability testing with BPC® Blue

Build testing capacity in your own laboratory
BPC® Blue automates aerobic and anaerobic biodegradation measurements. Follow test progress over time, compare samples and access structured data without repeated manual gas measurements.

- Evaluate plastics, polymers and packaging materials
- Real-time automatic biodegradation calculation
- Flexible and scalable testing with 9, 18, 36, 54, or more parallel channels

Test materials under relevant conditions
Evaluate how your materials biodegrade in water, soil, seawater, sediment, compost or anaerobic digestion conditions. We help you choose the test setup and method that match your material and its intended disposal or receiving environment.

Test according to recognised standards
BPC® Blue supports biodegradability testing according to ISO, ASTM, OECD and AS methods. Our specialists help you select the appropriate protocol and configure your system to meet its testing requirements.


BPC® Blue Premium


Installation training at SENAI, São Paulo, Brazil

Analysis services and practical support

Explore feasibility before investing in equipment
If you are considering adding biodegradability testing to your laboratory, our analysis service provides a practical starting point. Test selected samples with our team and use the experience to define your requirements before choosing an instrument configuration.

Send us your samples
Our laboratory carries out aerobic and anaerobic biodegradability studies, compostability related testing and biochemical methane potential tests. Use the service for initial screening, formulation comparisons or a specific development project.

Plan the test with our specialists
We help define the method, sample preparation, controls and replicates. The test design is based on your material and the questions you need to answer.

Follow progress and understand the results
Receive weekly data updates during the test and a full report to support interpretation. We help explain how samples perform under the chosen conditions.

Get your laboratory ready
For customers investing in their own instruments, we provide installation guidance, practical training and application support. BPC Academy offers product documentation and learning resources.

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