



BIOTREX

Finally, indicator for biological soil health

BIOTREX technology is a novel indicator designed to assess the activity and functional diversity of soil microbes. It was developed in Japan by Professor Kazunari Yokoyama and is based on Biolog's well-established and scientifically recognised system. In the hands of the experienced farmer, it is a reliable decision support tool for all areas of agriculture where natural soil processes are a critical factor.

With BIOTREX you can:

- ✓ measure fields biological performance
- ✓ evaluate the impact of practices and products on soil's biological state
- ✓ monitor and report sustainability approaches

FAST.

All our processes are standardised and automated. From sample collection to report in your inbox, the entire analysis takes no more than two weeks.

EASY TO INTERPRET.

Based on over 20,000 tested soils we calculated scale of soil biological quality, with easy to understand colourful interpretation.

VERSATILE.

BIOTREX technology is universal and suitable for every kind of soil. Our procedure is easy for any agronomist to implement as it follows established sampling practices.



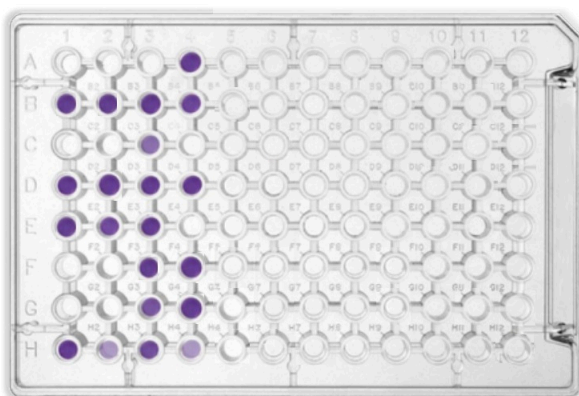
Science based

BIOTREX method is based on the simultaneous observation of dozens of biochemical reactions carried out by microorganisms isolated from the soil.

Plates with wells, each containing a different organic compound, are used throughout the process. Our plates are based on Biolog plates, which are well-established in scientific world for environmental testing.

The BIOTREX index, an indicator of soil microbial activity and diversity, is calculated from the analysis results. We also measure functional diversity using a custom derivation of the Shannon Diversity Index. The variety of substrates used is one of the most important factors in determining the resilience and productivity of the field.

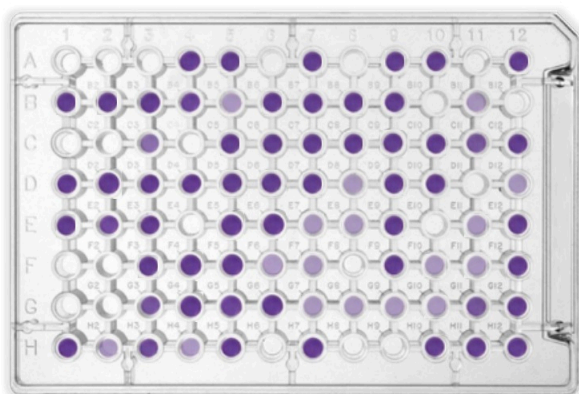
BIOTREX 31



- ✓ based on 31 carbon sources
- ✓ best for monitoring and comparison of fields biological performance
- ✓ ideal for farmers, advisors and food chain companies

70€ per sample

BIOTREX 95



- ✓ based on 95 carbon sources
- ✓ offers high resolution and precision
- ✓ great for comparison and statistics
- ✓ convenient tool for complex and long-term experiments
- ✓ ideal for professional advisors, institutes, agri-input providers

185€ per sample

Analysed for:

Company name

Company details

Project name

Sample No.:

101

Name: Sample 1

Type: Soil

Location: Poland

Analysis type: Biotex 31

Sample No.:

102

Name: Sample 2

Type: Soil

Location: Poland

Analysis type: Biotex 31

Sample No.:

103

Name: Sample 3

Type: Soil

Location: Poland

Analysis type: Biotex 31

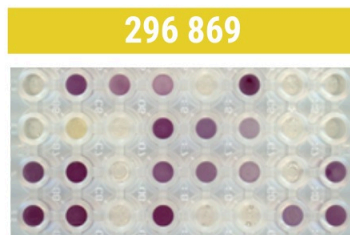
BIOTREX 31 Scores

Sample No. **101**



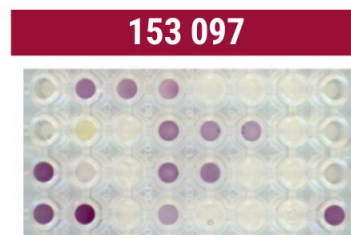
After 48h

Sample No. **102**



After 48h

Sample No. **103**



After 48h

Eco-Physiological Biodiversity

Sample No. **101**



Sample No. **102**



Sample No. **103**



BIOTREX 31 Performance Graph



FAQ

Who can order BIOTREX analysis?

BIOTREX technology is available in all EU countries. Currently, all soil samples are processed at FarmTech's laboratory based in Opole (Poland). Samples are delivered by courier companies covered by us. So far we have analysed soils from Poland, Germany, Czech Republic, Slovenia, Hungary, Denmark, the Netherlands, Switzerland, France, Spain, Italy, Bulgaria and Romania.

How to take soil samples for biological testing?

Once you have placed your order, we will send you special bags for soil samples. Taking soil samples itself is no different from taking soil samples for chemical tests. We recommend taking soil from a depth of 0-30 cm and keeping about 30 cm distance from the root zone. Approximately 0.5 kg of soil should be taken for biological tests.

When will I receive my test results?

We are testing the activity of living organisms, that's why biological tests are performed as soon as the soil samples reach the laboratory. For most analyses, the test report is ready approximately two weeks after the delivery of the samples.

In what form will I receive the results?

The study report contains numerical results, reference ranges, and project-specific comparisons, maps or other information. We send it by email after the analysis process is complete.

Still counting bugs? Contact us.



biotrex.com



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