

B.EL.D™ Research

EMBIO Diagnostics has developed an innovative solution for rapid, digital, reliable diagnostics that measures electrical signals based on potentiometry. B.EL.D™ is a multi-purpose portable and easy-to-use device that can serve a variety of research applications in sectors such as food safety, environmental, as well as human and animal health. B.EL.D™ combines a potentiometer with proprietary algorithms and machine learning to create one of the few multi-purpose portable analyzer systems.

B.EL.D™ uses open circuit potential and high-precision analog-to-digital converters to measure electrical signals, enabling high-performance control, parallel measurements with up to 8 hrs use on a single charge, and high-speed testing with results in less than 3 minutes.



aptasensing



immunosensing



biological
sensing



enzymatic
sensing



direct
detection



point-of-care
diagnostics



Detect Everywhere

Our innovations contribute to increased efficiency, sustainability, and innovation in a wide range of research.

B.EL.D™ with Machine Learning: revolutionize your research approach

- Develop your own diagnostic method with Machine Learning and AI
- Customized data management and data collection
- Receive and download data directly from the dashboard and mobile App
- Digital analysis and visualization of qualitative results



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