

Take your lab wherever you go?

With Bento Lab, DNA barcoding is in your hands



Deep Dark DNA: Sequencing the underground world

Barcoding *Proteus anguinus*

Dr Josef Vuch studies *Proteus anguinus*, an amphibian that has adapted to live in hostile environments like the underground caves around Trieste, Italy. An experienced mountaineer, he uses Bento Lab for biospeleology research, including DNA barcoding.

“This very compact instrument is ideal for domestic or field use.”

Dr Josef Vuch

Burlo Garofolo Medical Genetics Laboratory, Trieste



Citizen Science Mycology meets hands-on genetics

Barcoding *Entoloma clypeatum*

Working with Kew Botanic Gardens and Aberystwyth University, David Harries and his team of citizen scientists use Bento Lab to extract and prepare fungal DNA for DNA barcoding. Together with field observations and microscopy data, these DNA sequences contribute to the understanding of relationships between different fungus collections in Pembrokeshire, UK.

“Bento Lab empowers citizen scientists to explore fungal diversity.”

David Harries

Pembrokeshire Fungus Recording Network

Robust Design, small footprint



Exceptional performance

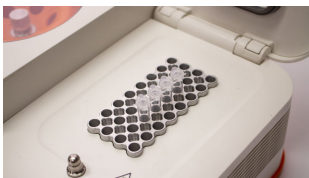
- 1 32 well Thermocycler with heated lid.**
Active cooling from 12°C to 105°C
Ramp rate up to 2.5 °C/s.
Storage for up to 100 PCR programs.
- 2 500 - 8,000g (13,500 rpm) microcentrifuge**
6 x 1.5mL tubes capacity
Programmable timer and quick spin
- 3 50V - 120V gel electrophoresis system**
Blue light transilluminator
Gel tank with platinum electrodes

The versatility of a complete workflow in one device

- 4** Simple to operate via an intuitive integrated interface. No need for additional accessories.
- 5** **Bento Lab weighs less than 3.5kg** and is easy to transport and store.
The external gel box and tube rack attach effortlessly, so you are set up for research in less than a minute.

“We recently optimized Bento Lab for use at remote field sites in India. The device works incredibly well.”

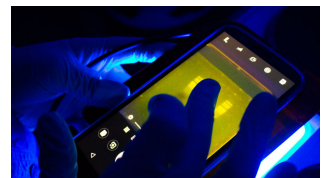
Dr Annie Kessler
New York University,
Center for the Study of Complex Malaria in India



Gold Standard Results



Run DNA gels in 20 min



Visualise in real time

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Ruko Pesona View Blok B No. 4, Jln. Ir. H. Juanda, Depok,
Jawa Barat 16411 | 021-77846655

