



Bento Bioworks Ltd.

THE WHOLE DNA ANALYSIS LAB IN YOUR HANDS

BENTO LAB YOUR PORTABLE DNA LABORATORY

A mobile genomics setup, Bento Lab combines a portable PCR machine, a microcentrifuge, gel electrophoresis and a transilluminator. And it fits into any laptop bag, so Bento Lab can travel wherever your science goes.



HOW IS BENTO LAB USED?

Use Bento Lab to verify your samples in the field, or inspire your students with hands-on biotechnology in the classroom. Combining all the essential tools for molecular biology, Bento Lab includes a portable PCR machine, a microcentrifuge, gel electrophoresis and a blue LED transilluminator. Professionals around the world are using Bento Lab to identify fungi in Wales, detect pathogens in Cambodia, and environmental monitoring in Malaysia.

RESULTS IN THE REAL WORLD

Rapid, on-site library preparation
In 55 minutes, Dr Sophie Zaaier prepared a ready-to-sequence library for MinION, using Bento Lab for DNA extraction. Dr Zaaier and the rest of the team at the New York Genome Center have developed a rapid, inexpensive, and portable strategy to re-identify human DNA called 'MinION sketching'.



BIOENTIST™

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WHAT'S INSIDE ?

- **PCR Thermocycler**
 - Temperature Range: 12 °C to 105 °C
 - Block size: 32 wells, 0.2 mL tubes
 - Ramp rate: up to 2.5 °C/s
 - Lid temperature range: Ambient to 120 °C
- **Centrifuge**
 - Variable Speed: 3,000 – 13,500 rpm
 - Capacity 6 x 1.5 mL tubes
- **Gel Electrophoresis**
 - Variable Voltage: 30V – 120V
 - Wells: 9 and 12 well combs
- **Transilluminator**
 - Electronics Design: Blue LED array
 - LED wavelength: 468 nm

