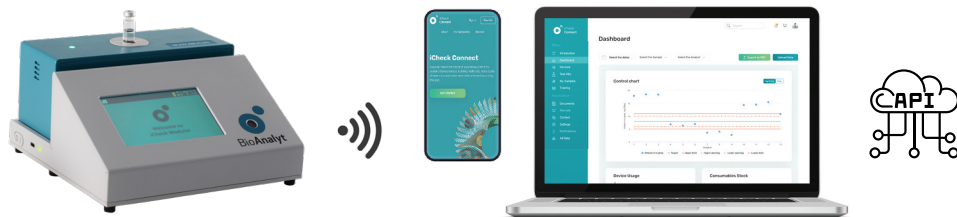


iCheck Connect: Smarter Data for Better Programs

iCheck Connect 2.0 is a companion mobile and desktop app that works seamlessly with your iCheck Modular device to streamline measurement, record-keeping, and analysis of food quality data.

- Capture and store iCheck Modular test results digitally
- Sync data to cloud or local systems
- Enable traceability and real-time decisions
- REST API for easy integration with partner platforms



iCheck Modular

Portable. Accurate. Connected.

measure for life

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iCheck Modular

Next-generation portable testing platform designed to measure key micronutrients, food quality, and safety parameters—quickly, affordably, and onsite.

Built for use across laboratories, field programs, and production lines, it enables real-time decision-making to improve nutrition and public health outcomes.

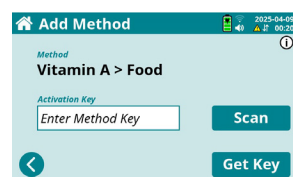
Measurement Unit

- Optical modules using absorption and fluorescence spectroscopy
- Each MU configured & calibrated for specific multiple analytes and food matrices
- Environmental monitoring for better accuracy



Consumables

- Starter Kits for each analytical method with all tools for setup and training
- Test Kits with consumables for 20 or 100 analyses
- Long shelf life of 12 months at room temperature

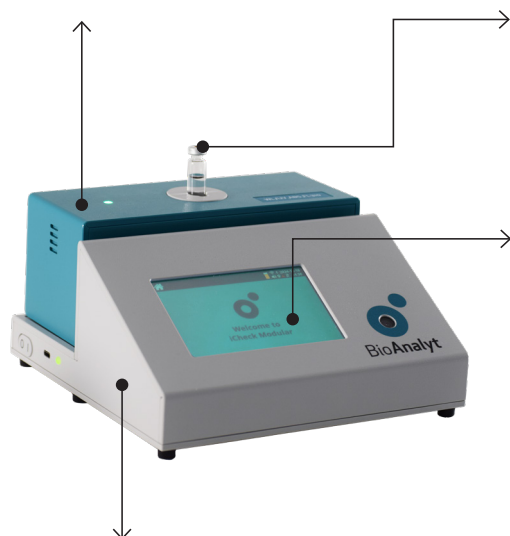


Software

- Supports multiple analytical methods on a single device
- Each method is activated using a unique software key
- Software updates and performance improvements are delivered remotely
- Newly developed methods can be uploaded directly to the device over-the-air

Central Unit

- 5" touchscreen for easy operation
- Sample ID entry, QR code scanning & inventory management
- Stores 10,000+ results
- WLAN & REST-API for seamless data transfer
- Rechargeable battery for off-grid use



Available Analytical Methods

Method	Analyte	Sample	Concentration	Time to result
Vitamin A in Edible Oils and Fats	Vitamin A as retinyl palmitate	Refined edible oils & fats	3 – 50 mg RE/kg	<2 min
Peroxide Value in Edible Oils and Fats	Peroxides & hydro-peroxides	Refined edible oils & fats	0.5 – 10.0 mEqO2/kg	<6 min
Vitamin A in Food	Vitamin A as retinyl palmitate & other esters	Food, beverages, premix & animal blood	0.05 – 3.00 mg RE/L	<10 min
Carotenoids in Food	Total carotenoids	Food, beverages & animal blood	0.15 – 15.0 mg/L	<10 min
Iron in Food	Ferric & ferrous iron	Food, condiments & premix	1.5 – 12.0 mg/L	60 min
Iodine in Salt	Iodine as potassium iodate	Table salt	1.0 – 13.0 mg/L	<10 min

Designed for Growth and Versatility

iCheck Modular is a scalable platform designed to integrate future developments of analytical parameters focused on nutritional value, food quality and safety.

In development: Zinc, Folic Acid, Vitamin E, Vitamin B12, Vitamin D.

Application Areas

- **Food Producers:** Ensure fortified product quality
- **Government Agencies:** Monitor compliance with standards
- **Development Programs:** Enable nutrition impact tracking
- **Research Labs:** Perform rapid field or lab-based analysis
- **QC Teams:** Save time and reduce cost on every batch



Results in minutes



Low cost



Portable



One day training



Expandable



Connected