

iCheck Vitamin E

Product Information

iCheck Vitamin E is a portable fluorometer for the quantitative determination of the vitamin E content in biological fluids within minutes.

HOW DOES IT WORK?

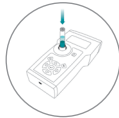
iCheck consists of 2 parts: a ready-to-use reagent vial and a device. The sample is injected into the reagent vial where vitamin E is extracted. The vial is inserted into the device that measures concentration of vitamin E in the vial.



1. Injection



2. Reaction



3. Measurement

PRODUCT DETAILS



iCheck Vitamin E is a portable fluorometer. The device measures vitamin E quantitatively and displays the results in mg/L. iCheck devices come in a portable case with all necessary accessories.



iCheck device



Reagent vial

iCheck reagent vials contain a patented mixture of reagents. They come in a box (**Test Kit**) sufficient for 100 analyses. The reagent's shelf-life is 12 months at room temperature.



BENEFITS

- **Speed:** result in less than 10 minutes
- **Economy:** cost is only 10% of conventional lab. methods
- **Easy implementation:** only 1 day training required
- **Scalability:** no set up calibration required

OUR SERVICES

Free-of-charge customer tech support:

- Online demos and trainings (i.e. Zoom)
- Instant support via WhatsApp:  +49 3328 35150034
- Support with analysis, calculations, interpretation of standards, sampling protocols, technical consultations about the micronutrients

On-site Training

Feasibility testing for new matrices

iChecks are manufactured in Germany, used in over 80 countries and validated against standard laboratory methods. Learn more at www.bioanalyt.com/products

measure for life

For orders, technical assistance or any other inquiries contact BioAnalyt at: contact@bioanalyt.com • +(49) 33 28 35 15 000 • www.bioanalyt.com

iCheck Vitamin E

Technical Data

Quality assurance

iCheck and iCheck Vitamin E reagent vials are produced according to quality management system (DIN EN ISO 9001:2015) and certified by TÜV Nord in Germany.

TECHNICAL DATA	
Sample	
Analyte:	Alpha tocopherol
Sample type:	Cattle serum and whole blood
Sample preparation:	Not necessary
Sample volume per analysis:	0.5 mL (500 µL)
Device	
Analytical method:	Autofluorescence of alpha tocopherol
Units displayed:	mg/L
Linear range:	1.0–25.0 mg/L
Calibration:	Only required if the value of the iCheck vitamin E Standard falls outside the specified linear range by more than 10%
Time per analysis:	< 10 min
Environment:	18–30°C, no direct sunlight
User training:	1 day training
Use:	Laboratory and field
Data output:	Sample #, Batch #, Result, Date, Time (in transferred data)
Connectivity and data:	Results are stored in the device and transferred to a PC via USB
Power source:	NiMH rechargeable batteries included; AA 1.2 or 1.5V
Warranty:	2 years
Device weight:	0.45 kg
Device dimensions:	11 x 4 x 20 cm (W x H x L)
Test Kit	
Content:	100 reagent vials; 100 syringes - 1.0 mL; 100 needles - 0.8mm x 16mm.
Chemical composition:	n-Hexan and alcohols
Volume per reagent vial:	2.0 mL
Shelf life:	12 months at 15–30°C, no direct sunlight, upright
Dimension of test kit:	26 x 14.5 x 16.5 cm
Disposal instructions:	Hazardous waste

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