



Product information



New quality check method for vitamin A fortified food

iCheck Fluoro™ for analysis of water dispersed vitamin A is a reliable, fast, simple and economic way to ensure vitamin A quality of fortified staple foods in the field.

Measure the value of fortification costs

Among several strategies to reduce vitamin A deficiency, fortification of staple foods is a very effective public health intervention. Designing a successful fortification program is challenging and different quality aspects are key success factors. These include the quality of the added vitamin A, the correct dosage but also regular monitoring of fortification on plant level and in the field to ensure that fortification has a positive impact on people's health and is worth the investment.



Until now, reliable and precise results of vitamin A levels were only possible with the golden standard method HPLC, which is expensive, time consuming and requires extensive training for proper results.

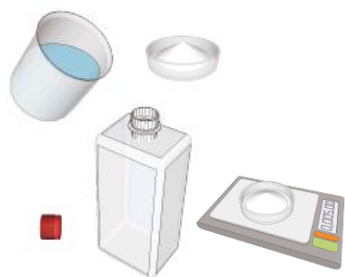
iCheck Fluoro™ offers unique advantages compared to HPLC. iCheck technology is used worldwide at various vitamin A production sites and in fortification programs.

iCheck™ advantages at a glance

Reliable	State of the art high quality product for precision results, tested in field study, used globally at various vitamin A production sites and in fortification programs, made in Germany
Fast	Results in few minutes instead of several hours with HPLC standard method
Simple	2 hours training instead of extensive trainings No need for cold chain and complex logistics
Portable	Miniaturized detection techniques enable portable analytics
Economic	Saves 60 to 70% of HPLC costs (9.50 Euro per analysis)

4 simple steps to reliable results in the field

1 Sample preparation



2 Injection



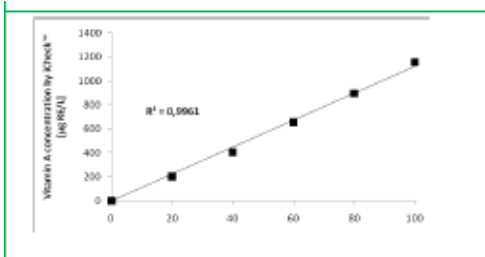
3 Extraction



4 Measurement



Technical data

Analyte	Vitamin A
Matrices	Wheat flour, sugar, vitamin blends, milk and blood
Working range	50 – 1000 µg RE / L
Precision	Within series: < 5%, between series: <10%
Method comparison	Validated against HPLC
Linearity	
Analysis method	Fluorometric
Sample preparation & volume	Dilution in water, 500 µl
Equipment	Extraction units iEx™ Mila Kit for 96 vitamin A determinations in food or biological fluids.

For vitamin A in oil analysis we offer iCheck™ Chroma

Contact us for more information

For more information visit our website www.bioanalyt.com
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Watch our video on how to use iCheck™ on youtube:
www.youtube.com/user/BioAnalyt.



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