

## Company

SAFIA Technologies GmbH was founded in 2022 by Peter Carl and Timm Schwaar as a spin-off of the Federal Institute for Materials Research and Testing (BAM). The company develops, produces, and distributes analysis kits based on the innovative SAFIA technology. SAFIA is supported and funded by the EXIST Transfer of Research of the Federal Ministry for Economic Affairs and Climate Action of Germany.

## Problem

Accurate multiplexing technologies are complicated and expensive. Execution of established methods requires highly skilled personnel and goes along with high investment cost in equipment. Time-to-Results is often very long. The lack of an accurate, low cost, and fast multiplexing method is a huge problem for commercial laboratories and the food/feed industry.

## Innovation

The technical innovation is an antibody and particle-based multi-analyte rapid test, optimized and tailored for small organic molecules. The first product was developed for the analysis of mycotoxins (mold toxins) in food and feedstuffs.

## Partners & Promoters



# THE LOW-COST & RAPID MULTIPLEXING METHOD

## The SAFIA-System



**SAFIA Kit:** You will receive a user-friendly analysis kit. All reagents are ready-to-use and thanks to the unique mix-and-measure technology, they only need to be mixed with the sample.



**Analyzer & Software:** The read-out is fully automated using a Sysmex **CyFlow Cube 6** flow cytometer.



**Service & Training:** We provide training for your laboratory personnel on our technology. In case of specific analytical questions, we are always available to support you with our service.

## Your Benefits



### Multiplex up to 75% Cheaper

Measure all regulated Mycotoxins in one Measurement.



### Time Savings up to 90 %

Erhöhen Sie Ihren Probendurchsatz im Vergleich zu gängigen chromatographischen Methoden.



### Easy Handling

Relieve your highly qualified staff by introducing the easy-to-use SAFIA technology and use free capacities.

## Analytical Parameters

Analyt (Mycotoxins)	Measurement range [µg/kg]
Ochratoxin A	1,6– 23
Zearalenone	8,0 – 83
Deoxynivalenol	100 – 960
Aflatoxine (B1, B2, G1, G2)	0,9 – 6,1
Fumonisine (B1, B2, B3)	80 – 1090
T2-Toxin	20-160

### Assay Parameters

Execution time for 10 samples	35 min
Read-out time per measurement	30-90 s

## Your Introduction to SAFIA

Would you like to learn more about SAFIA? Contact us and we will provide you with a comprehensive introduction to the SAFIA technology. We would be happy to give you deep insights into the technology behind SAFIA and show you the potential that this innovative technology can offer for you.

## Your Test Measurement

We perform free and obligation-free test measurements for you. This way, you can compare the results of your methods with that of SAFIA. Afterward, we offer you a comprehensive discussion of the results.

## SAFIA Technologies GmbH

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