



# Misa

Protecting consumers  
with the latest in food  
testing technology

PEOPLE  
YOU  
CAN  
TRUST

# Prepare to fight against food fraud

Food fraud is more common than most people think. Misa puts the latest food testing technology in your hands to help you detect and combat this scourge. With this portable tool, you can instantly identify substances most commonly found in adulterated food.

Take the laboratory to the problem – for fast and easy analysis

- Compact, portable design
- Intuitive guided workflows for straightforward operation
- No chemical know-how required
- Complete trace detection solution



## FRUITS AND VEGETABLES

Pesticides



## MEAT

Antibiotics and growth hormones



**SPICES**

Artificial dyes

**PROCESSED FOODS**

Illegal additives

For a comprehensive list  
of applications visit  
→ [metrohm.com/misa](https://metrohm.com/misa)



# Simple, Efficient, and Green!

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Misa is a highly sensitive laboratory at your fingertips. A simple guided workflow gives you immediate answers when every minute counts. Let Misa do the work for you – rely on fully automated analyses to quickly and accurately identify trace contaminants, even within complex food samples.\*



\*Misa combines nanotechnology with Raman spectroscopy to generate a fingerprint spectrum. The resulting Surface-Enhanced Raman Scattering (SERS) spectrum provides for unambiguous identification of food contaminants.

# Anyone can use Misa

You do not need to be a chemist to use Misa. All you need to do is ...



1

## Prepare the sample

Follow simple, step-by-step target-specific methods to prepare the sample for analysis.



2

## Apply the sample

Apply the processed sample to dedicated SERS test materials from Metrohm.



3

## Acquire a signal

Start the measurement with a single click on the instrument or mobile app.



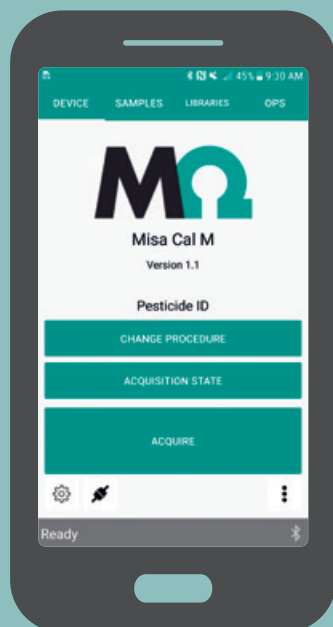
4

## Read and share the result immediately

Only seconds later you can read the result and take immediate action.

# Hazard detected? Sound the alarm and save lives!

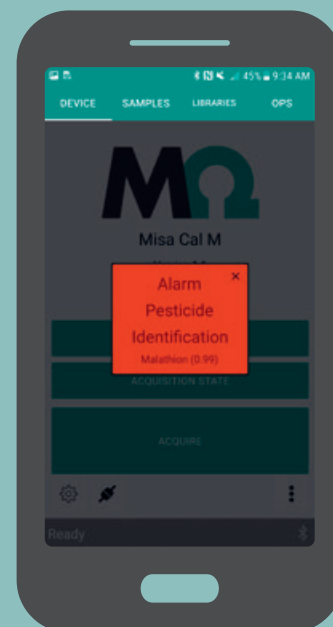
Misa can travel anywhere with you to quickly gather and share crucial data when tainted food is found. The Misa Cal M app is a powerful mobile platform that provides critical information about potentially dangerous substances. With Misa, you can take immediate action, helping you save lives.



Simple testing

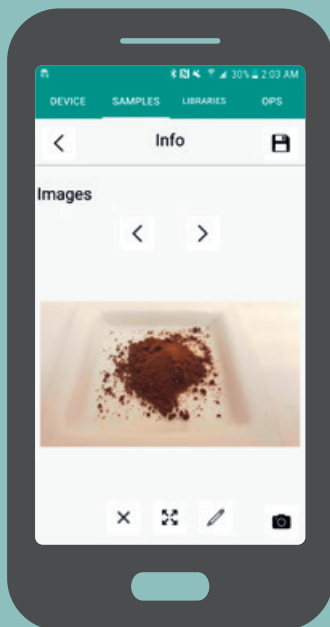


Quality results

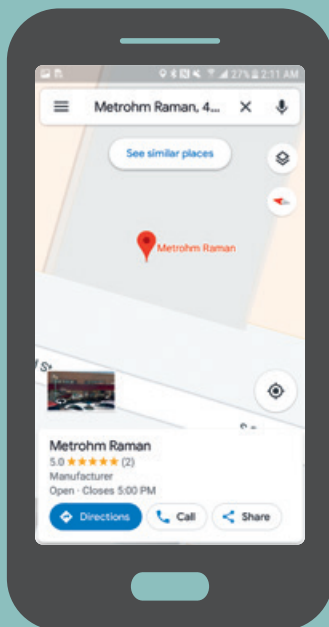


Clear warnings

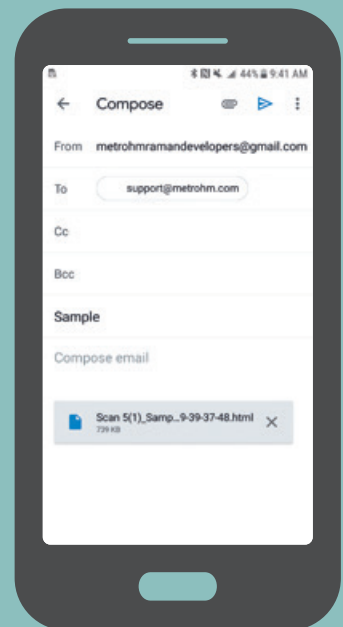




Visual evidence



Geo-tagging



Share alerts

## ORDERING INFORMATION

### Instrument Packages

2.950.0010	Misa Basic (Contains Misa instrument and Misa Vial Attachment)
2.950.0020	Misa Advanced (Contains Misa instrument and all optional accessories)

### Optional Accessories

6.07501.010	ASTM Calibration Standard
6.07505.030	P-SERS Attachment
6.07505.040	Misa Vial Attachment
6.02707.030	Misa Ruggedized Carrying Case

### Consumables

6.07506.400	ID Kit – Illicit Drugs
6.07506.440	ID Kit – Au NP
6.07506.450	ID Kit – Ag NP
6.07506.460	ID Kit – Au P-SERS
6.07506.470	ID Kit – Ag P-SERS

### SERS Libraries

6.6071.670	SERS Library – Illicit Materials
6.6071.672	SERS Library – Food Additives
6.6071.674	SERS Library – Dyes
6.6071.676	SERS Library – Pesticides

Visit [www.metrohm.com/misa](http://www.metrohm.com/misa) for more accessories and consumables options