



# Simple and Effective Trace Analysis

Custom materials for all SERS applications

PEOPLE  
YOU  
CAN  
TRUST

 **Metrohm**

# Fast, Accurate, Reliable

When you need the most sensitive and accurate methods to identify analytes at very low concentrations – even in complex matrices – we offer SERS products that enable fast, easy trace detection. Metrohm's SERS substrates can be used with any Raman system.



## THE COMPLETE SERS SOLUTION

Metrohm's selection of SERS materials combined with compact Raman analyzers and powerful software create an entire solution. Application support at each step of the way will help optimize your measurements.

## SIMPLE AND EFFECTIVE

Metrohm SERS substrates include step-by-step instructions to make measurements easy. Our application support helps you develop SOPs for your particular analysis.

## RELIABLE RESULTS

Highly reproducible SERS materials ensure consistent performance. Our production processes generate the highest quality materials with very low batch-to-batch variability.

## SUPERIOR SENSITIVITY

High enhancement factors enable detection of analytes down to ppb levels. SERS materials selectively adsorb analytes, making them a potential sample preparation tool for complex mixtures.

## SAMPLING FLEXIBILITY

Available as both colloidal solutions and in a test strip format, our SERS materials make sampling easy for your application. Sample holders for our Raman instruments are designed specifically to hold P-SERS strips or colloid solutions in the perfect configuration.

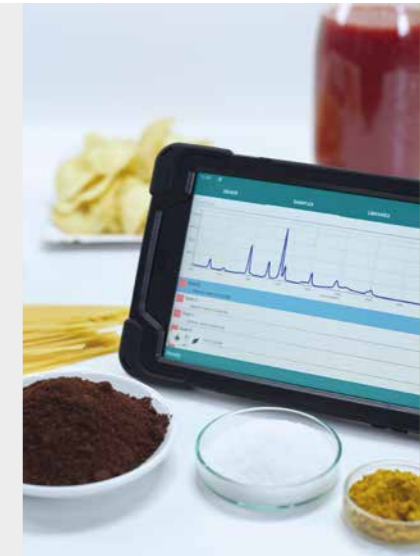
# The possibilities are boundless

Trace analysis with SERS is fast, convenient, flexible, and inexpensive. SERS can be used for many different applications. Combining the measurement options with powerful software and portable instruments gives you the power to perform your analysis almost anywhere.



## NARCOTICS DETECTION

Fast, simple on-site sampling for instant identification of minor components in complex mixtures



## PESTICIDE DETECTION

Detection of trace agricultural chemicals like pesticides, insecticides and herbicides.



## FOOD & BEVERAGES

Authentication of foodstuffs including honey, olive oil, and saffron



## RESEARCH & DEVELOPMENT

Cost-effective, flexible tool that enables more accurate, faster and less expensive measurements



## QUALITY CONTROL

Fast and accurate results reduce downtime and increase productivity



## POINT-OF-CARE

Instant detection of target samples in complex biological samples

# Complete Trace Analysis Solution

Metrohm delivers complete solutions for SERS measurements including instruments, sampling accessories, SERS materials, analysis software, libraries, method development and support. Use your existing Raman system or assemble your own customized SERS solution.



## MIRA XTR

A handheld, portable instrument that enables identification of narcotics, chemical hazards and other illicit materials.



## MISA

A compact, laboratory instrument ideal for most all SERS applications including chemical analysis and food testing.



## TACTICID 1064

Designed for more difficult samples and offers special library matching modes to provide you answers.

## ORDERING INFORMATION

SERS Materials	
607506100	P-SERS Strips (Ag) Qty 50
607506110	P-SERS Strips (Ag) Qty 500
607506120	P-SERS Strips (Ag) Qty 5000
607506130	P-SERS Strips (Au) Qty 50
607506140	P-SERS Strips (Au) Qty 500
607506150	P-SERS Strips (Au) Qty 5000
607506160	P-SERS Strips (Ag) Qty 25
607506170	P-SERS Strips (Au) Qty 25
607506300	Silver colloid, 10 mL
607506310	Silver colloid, 50 mL
607506340	Silver colloid, 500 mL
607506350	Gold colloid, 10 mL
607506360	Gold colloid, 50 mL
607506390	Gold colloid, 500 mL
SERS Kits	
607506480	SERS Discovery Kit
607506400	ID Kit, Illicit Materials
607506440	ID Kit – Au NP
607506450	ID Kit - Ag NP
607506460	ID Kit – Au P-SERS
607506470	ID Kit – Ag P-SERS
BWT-840000528	TacPac™ Kit
Instruments	
29500020	Misa Advanced
29260120	MIRA XTR DS Advanced
BWT-840000920	TacticID 1064