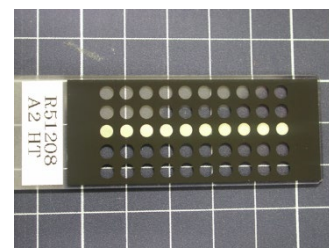


We are happy to announce that Nano=Kraft SERS products will become available through ANVOS Analytics soon. Here are descriptions of our four products.

(1) Standard SERS

It is based on a random metal film on nanosphere (MFON) technology. Randomly adsorbed nanospheres are covered by either silver or gold, depending on your needs. On each of the 75 mm x 25 mm glass substrate, ten SERS spots (3 mm in diameter) are formed. The surrounding area is coated by a black hydrophobic film to allow localization of an aqueous sample on the SERS spot.



How to use:

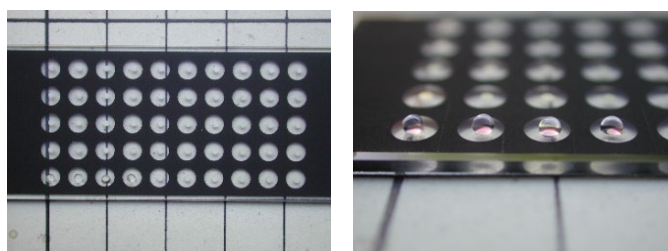
An aqueous sample with volume under 10 μ L is deposited on the SERS spot. Alternatively, one can separate these spots with a diamond-tipped pen. Individual pieces can be placed in a tube for immersion in a liquid sample. It can also be exposed to a volatile sample.

Options:

Number of SERS spots on a single substrate, size of the SERS area, silver or gold for the metal.

(2) Lotus SERS

It is well known that the lotus leaf has a highly superhydrophobic surface. With our Lotus SERS, the SERS spot (1 mm in diameter) is surrounded by a superhydrophobic area based on water repellent nanostructures.



How to use:

Place an aqueous sample with volume under 1 μ L. Allow the resulting sphere-shaped sample (just like water droplets on a lotus leaf) to dry for preconcentration. It is suitable for particularly diluted samples.

Options:

Spot size ranging from 0.5 mm to 2 mm, number of SERS spots on an individual substrate, silver or gold for the metal.

(3) AluSERS for flow monitoring

A 3 mm x 3 mm SERS spot is formed at the tip of an aluminum cantilever which can be readily inserted in a flow cell.

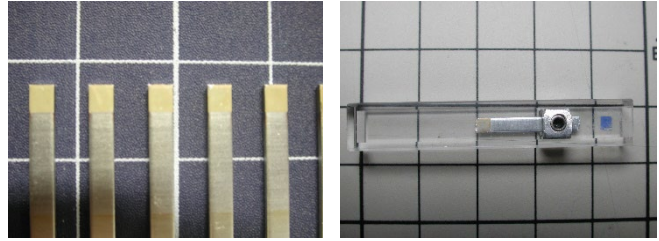
How to use:

Connect the flow cell to your flow system

and flow a fluid or gas through the cell. The SERS spot can be monitored in real time via irradiation of a laser from outside.

Options:

Shape of the aluminum substrate, shape and dimension of the cell, silver or gold for the metal.



(4) FlexiSERS

If you are interested in detecting surface-adsorbed target molecules almost in-situ, this is for you. Metal nanoparticles are densely adsorbed on a flexible substrate.

How to use:

You press a FlexiSERS directly onto a solid surface, and you will find

out what might be on the surface by shining a laser beam on the FlexiSERS. Wetting the surface beforehand is likely to improve the signal.

Options:

Shape of the support, silver or gold for the metal.

