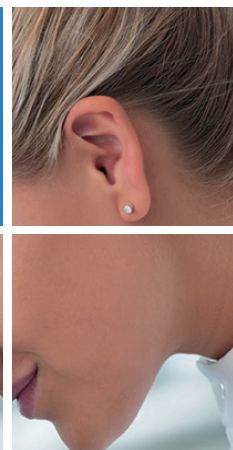
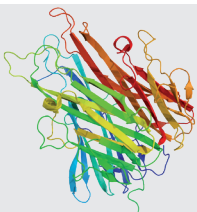


## Micro Raman Accessory

SERS Substrates



A Powerful Tool  
for Chemical and  
Biological Sensing  
Applications

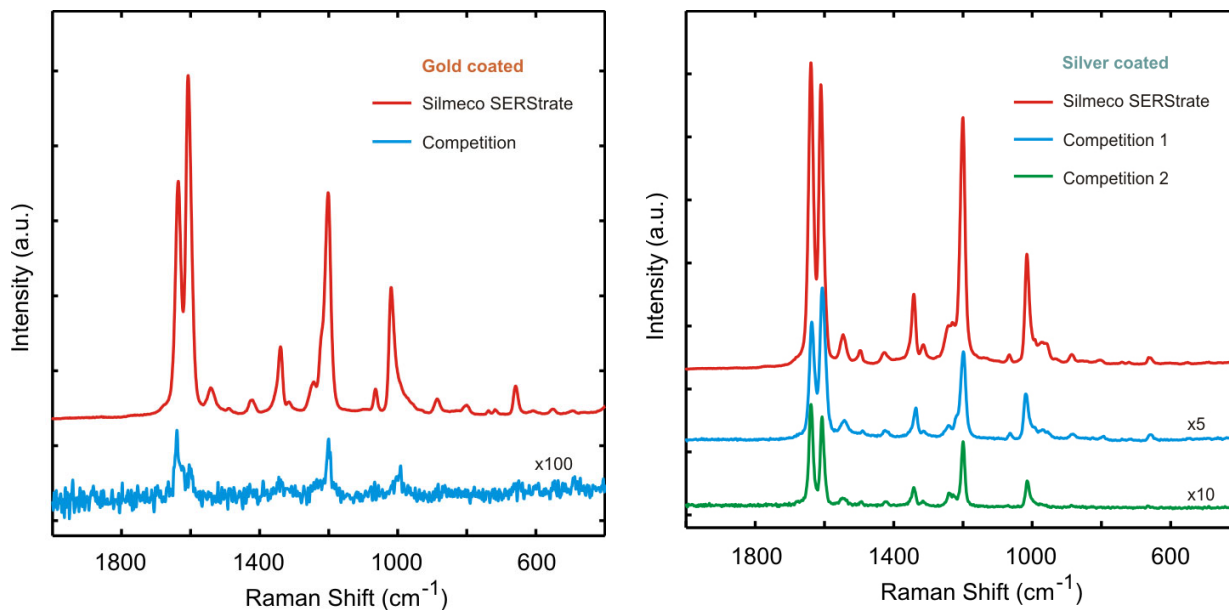
High-performance SERS substrates for ultra sensitive molecular detection, ideal for chemical and biological sensing applications



# SERS Substrates

The SERS (Surface Enhanced Raman Scattering) technique is known to be a powerful tool for chemical and biological sensing applications.

HORIBA Scientific proposes SERS substrates which offer excellent reproducibility and significant enhancement allowing detection of molecules which otherwise could not be detected using classical Raman spectroscopy, as well as easier and faster analysis of weak Raman scatterers.



## Specifications

<b>Dimensions</b>	3x3 mm (other dimensions are available on custom request)
<b>SERS active area</b>	9 mm <sup>2</sup>
<b>Sensitivity</b>	ppm to ppb
<b>Surface metals</b>	Gold or Silver, customization available
<b>Substrate material</b>	Nanostructured Si
<b>Measurement area</b>	Arbitrary
<b>Sampling methods*</b>	Vapor deposition, drop deposition, substrate incubation (immersion)
<b>Laser excitation wavelengths*</b>	514 (silver), 532 (silver), 633 (silver), 780-785 (silver + gold) nm
<b>Laser power density*</b>	< 10 W/cm <sup>2</sup>

\* Recommended

Find out more at [www.horiba.com/raman](http://www.horiba.com/raman)

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