



SUBSTRATES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY

Our SERS substrates consist of a silver nanoparticle layer on both sides of a glass (Schott B270) surface.

The substrates are produced with a proprietary ion exchange process, proven and established over 25+ years.

This ensures mass production capabilities with reproducible and reliable substrate properties.

APPLICATION

Environmental Monitoring

- Detection of trace agricultural chemicals, pesticides, insecticides, and herbicides
- Detection of hormones in water

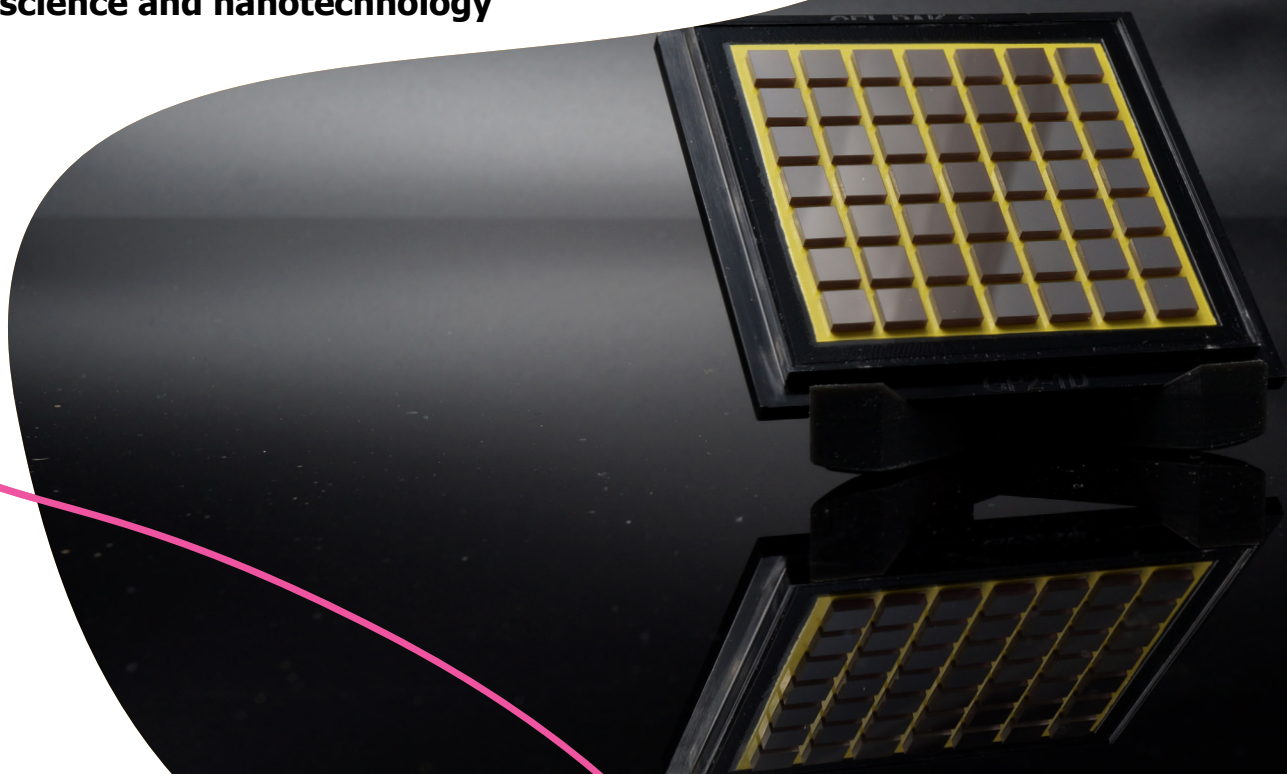
Pharmaceutical and biomedical, drug discovery

- Sensing of subcellular structures with living cells
- Cancer research

Food safety and quality

- Detection of trace contaminations
- Instant detection of target samples in complex biological samples

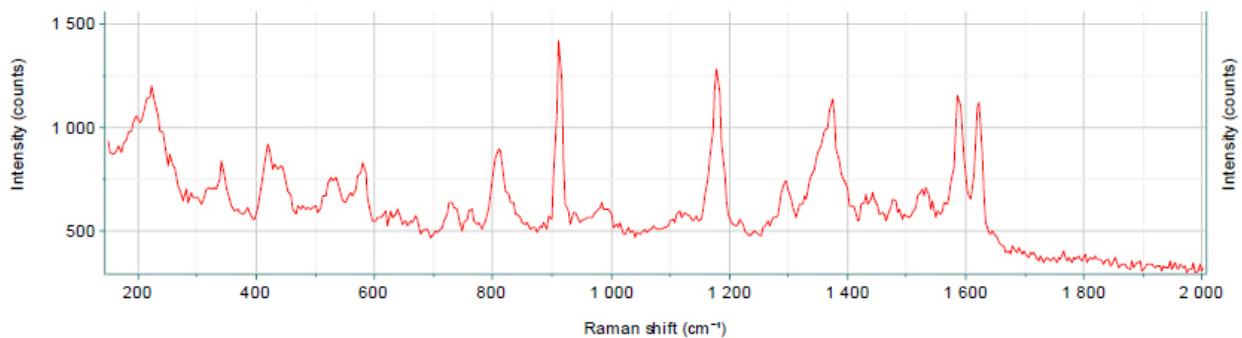
Material science and nanotechnology





SUBSTRATES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY

Dimensions	4 mm x 4 mm x 1 mm
Active area	4 mm x 4 mm (both sides)
Active material	Silver nanoparticles
Substrate layer	Glass (Schott B270)
Laser wavelength	532 – 785 nm recommended



RECOMMENDATIONS FOR PROPER USE

Storage

Keep the substrates in a dry environment to maintain quality.

Handling

Use tweezers to prevent contamination of the surface.

Measurement

Both sides of the substrate are suitable for measurements.

Cleaning

If needed, clean using an ultrasonic cleaning bath with methanol for best results.



more details
at **codixx.de**