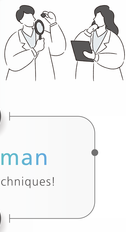
AIRsight

IR and Raman microscope

01

What if

your instruments
did not work
for your sample?



02

IR and Raman

are powerful techniques!

03

How so?

Because
both instruments
investigate

molecular
vibrational energies

04

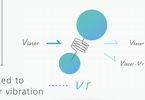
What is the difference
between IR and Raman?

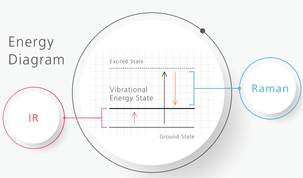
IR

νir | frequency of absorbed photons
molecular vibrational energy

Raman

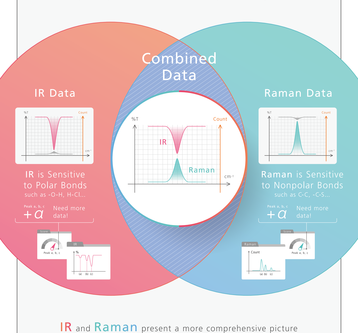
νr | ν_{laser} versus scattered lights:
how much they differ in frequency





IR and Raman complement each other.

Both IR spectroscopy and Raman spectroscopy
measure the same molecular vibrational energy,
but IR captures polar bonds and Raman captures non-polar bonds.



IR and Raman present a more comprehensive picture
as a combined system
than when used as separate platforms.

05

Okay, both are important.
But, imagine having two instruments.

The sample position can be mismatched between the two instruments	juggling two software programs	Large footprint

06

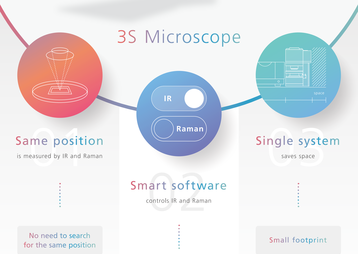
Our Two-In-One Solution!

AIRsight

Raman - IR
Confocal Optical sytem

Wavenumber resolution : 4cm⁻¹
Spatial resolution
Minimum : 3μm

3S Microscope



Same position
is measured by IR and Raman

Smart software
controls IR and Raman

Single system
saves space

No need to search
for the same position

One easy-to-use
one software

Small footprint

Please check our website for more details. Click Here >