

SCiZYS

The Future's Product for Tissue Analysis



Higher Quality, Higher Accuracy, More Efficient Analysis Processes



More information
without autofluorescence


LUMITO

SCIZYS in your Standard IHC Process



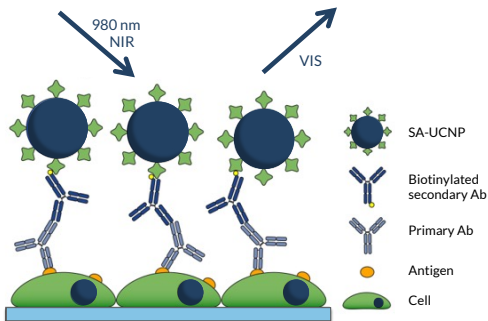
SCIZYS Erbium Kit



Preparation of the tissue section with SCIZYS Erbium Kit



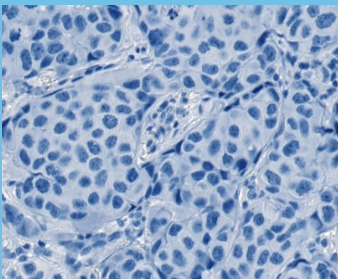
Placement of t
in SCIZYS slide



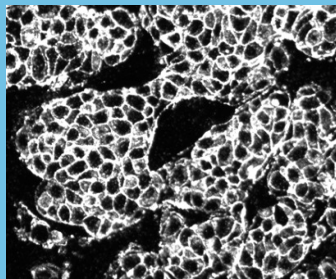
Upconversion IHC-technology by Lumito

The UCNPs (Upconversion Nanoparticles) are illuminated by Near Infrared (NIR) light, emitting visible spectrum light. Lumito's NIR-imaging with UCNPs offers highly sensitive antibody detection and eliminates undesirable tissue autofluorescence.

Invisible Labelling and Dual Modalities



Brightfield
Visible light



UCNP
"Invisible" light

Images of dual emission modalities from separate optical channels.



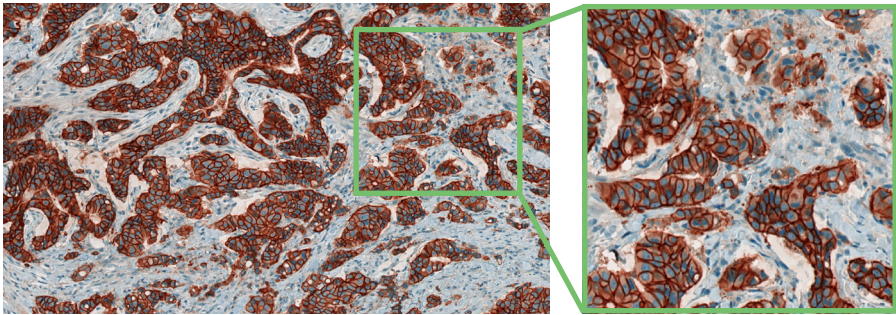
the sample
holder



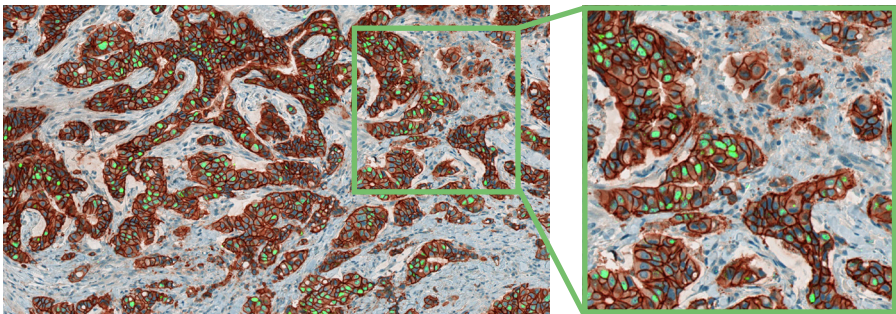
Automatic overview.
Select your ROI area



Images delivered in high
resolution for analysis in
an image viewer



HER2 labelled with DAB



PR with UCNP as reporter

The images show that there is no interference with other chromogens and that the user extracts more information from each section by targeting different biomarkers with high accuracy and no overlap.



For research use only

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Learn more!

About Lumito

Lumito is a spin-off from a research team at Lund University's Division of Atomic Physics and Laser Centre. Our mission is to offer a product that frees up resources, increases precision, and minimises human margins of error when diagnosing cancer indications.

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