

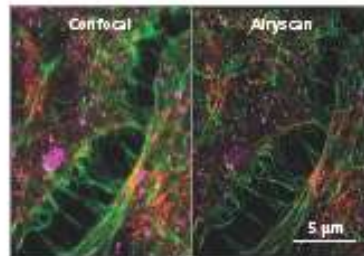


We make it visible.

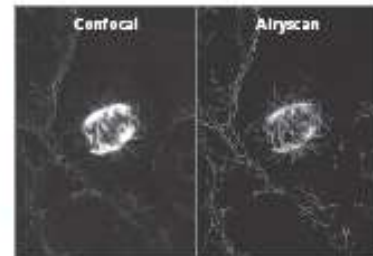


## ZEISS LSM 880 with Airyscan

### Revolutionize Your Confocal Imaging



HeLa cells, Actin stained with Phalloidin-Alexa 546, AF3 with Alexa 488 and DAPI. Courtesy of S. Tralok, BIOTEC, TU Dresden, Germany.



Fixed tumor cells, tubulin labeled with Alexa 555. Sample courtesy of P. O'Toole and P. Pryor, University of York, UK.

Now you can use multicolor samples with any label and get image quality like you've never seen before. With LSM 880 and Airyscan you are always able to select the optimal acquisition strategy for your sample: Simply decide whether you want to gain 1.7x higher resolution in all three dimensions – resulting in a 5x smaller confocal volume. Or push the sensitivity beyond the limits of all conventional confocals. Or use the increase in signal-to-noise ratio to speed up your image acquisition. The choice is yours.

#### Highlights

- With Airyscan you increase the resolution of your imaging up to 140 nm laterally and 400 nm axially, at 488 nm – without sacrificing sensitivity or speed.
- With optional Virtual Pinhole Mode, decide which pinhole size best suits your application, even after acquisition.
- Working with identical pixel times and continuous scanner monitoring, perform quantitative imaging at all speeds and scan modes.
- Perform simultaneous spectral detection in a single scan with the highest number of descanned or non-descanned channels – featuring GaAsP technology.
- LSM 880 lets you take full advantage of large fields of view and the highest speed of any linear scanning confocal – up to 13 fps.

#### Configured to Your Requirements

- Acquire multi-fluorescence images and analyze colocalization at the same time as you are performing simultaneous spectral imaging of fluorescent proteins.
- Research live cells in 3D or for ion imaging. Analyze molecules with FRET, FRAP, and FLIP, including photoactivation and photoconversion.
- Use the innovative RICS software to analyze individual molecules. Use FLIM with pulsed lasers in the 405/440 nm range, tuneable from 488 to 640 nm, and anisotropy imaging.

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# Profesionálne vybavenie, pre profesionálne laboratórium



- ▶ CENTRIFÚGY
- ▶ LAMINÁRNE BOXY, DIGESTORY
- ▶ CHOVNÉ BOXY PRE LABORÁTORNE ZVIERATÁ
- ▶ MRAZIACE A CHLADIACE BOXY
- ▶ TERMOSTATY, VODNÉ KÚPELE, SUŠIARNE, AUTOKLÁVY
- ▶ BOXY S ANAERÓBNOU ATMOSFÉROU
- ▶ LABORÁTORNE UMÝVAČKY, SUŠIČKY
- ▶ MOLEKULÁRNA BIOLÓGIA
- ▶ MIKROPLATNIČKOVÁ INŠTRUMENTÁCIA
- ▶ BIO-IMAGING ANALÝZA
- ▶ KONCENTRÁTORY, LYOFILIZÁTORY
- ▶ POČÍTAČE KOLÓNII A INHIBIČNÝCH ZÓN
- ▶ MONITORING TEPLoty, VLHKOSTI
- ▶ PURIFIKÁCIA VODY
- ▶ PIPETY, PLASTY
- ▶ SERVIS, VALIDÁCIE IQ/OQ/PQ



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