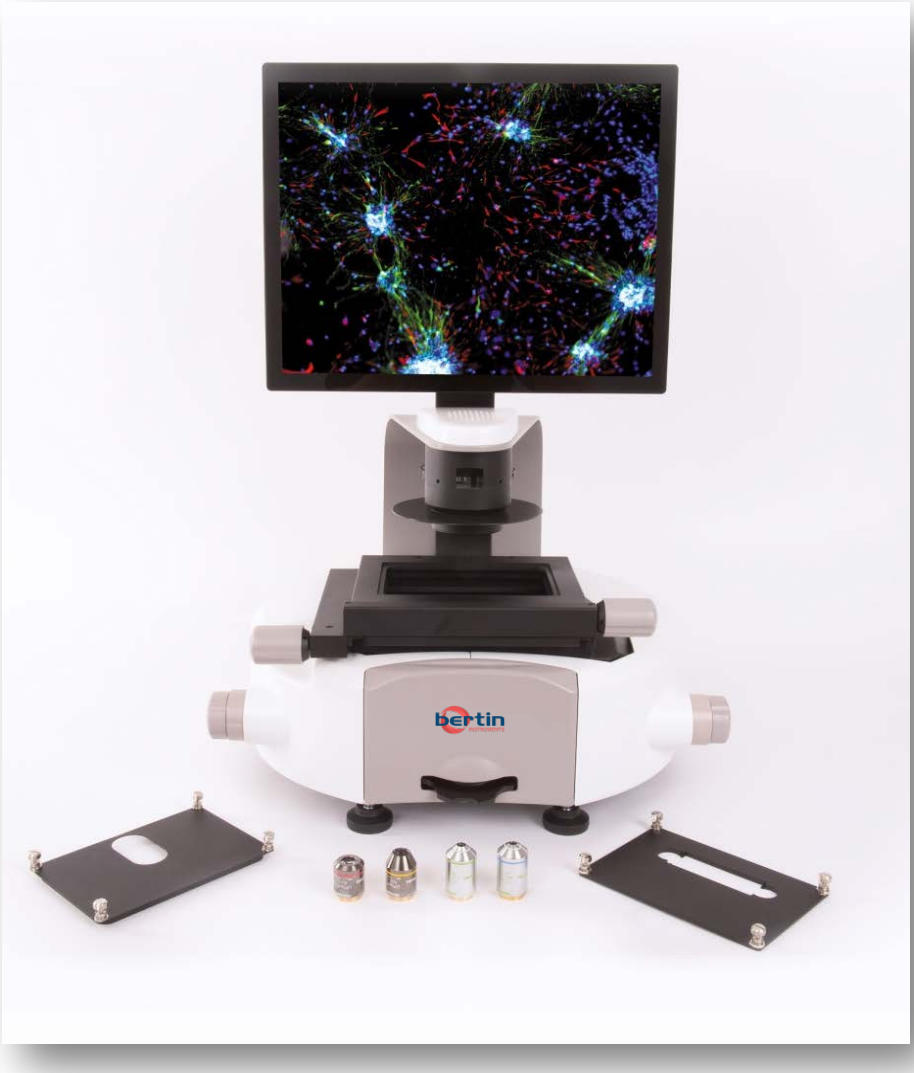
Press release – 27th September 2016 - Montigny Le Bretonneux, France

INCELLIS: THE NEW AGE OF CELL IMAGING BY BERTIN



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InCellis: the new age of cell imaging by BERTIN

~A unique all-in-one digital solution offering the best-of-breed technologies for cell culture facility ~

*BERTIN, entity of CNIM Group, is launching **InCellis**, a new cell imager developed to provide high quality images and facilitate the scientists' day to day manipulation. The image quality in brightfield, phase contrast and fluorescence are generated by the latest state of the art technology of CMOS low light sensor, also used in military applications for targeting and surveillance. As with all of Bertin's products, both the ergonomic and user experience have been taken into great consideration by the development team.*

A smart cell imager solution

InCellis unique features include a low light CMOS PHOTONIS colour camera, a large touchscreen monitor, patented illumination technology and onboard automated cell culture applications such as multi-channel cells imaging, transfection efficiency "in the flask"(true colored tissue slide image), cell proliferation study.

"When the first Imaging stations were launched, 8 years ago, it was a sheer breakthrough for biologists working on cell cultures" comments Bruno Vallayer, PhD, Managing Director of BERTIN Systems and Instrumentation.
"With InCellis, we see a new generation of solutions going even further beyond: better-quality images, brand news apps... We listened closely to distributors' and first-users' feedbacks and we were committed to build on all these precious insights to develop and deliver the best cell imaging solution".

Embedded automated cell culture applications

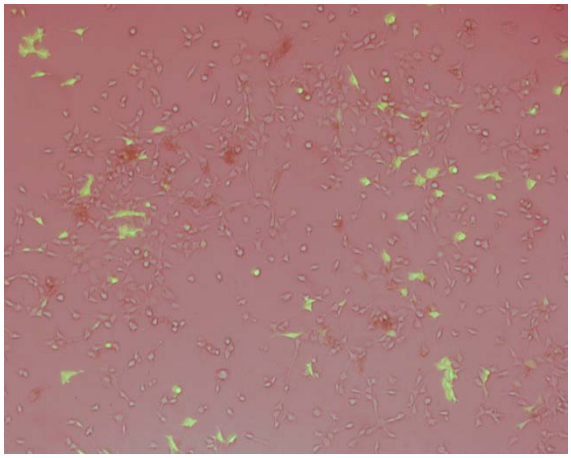
Among InCellis many assets: its ability to facilitate communication between scientists. All images can be processed either with the embedded apps or exported to other software. In a minute, InCellis on-board applications enable users to determine cell transfection efficiency, cell culture confluency or to get multi-color fluorescence image on the bench. A scientist may take a picture and share it instantly with colleagues even though they are not present in the same lab room.

Innovative technology inspired by users needs

After gathering users and partners inputs on existing cell imagers, InCellis has been developed internally by BERTIN's teams with obsession to offer the best value possible for the right cost. This was possible thanks to BERTIN's expertise in optronics and lab equipment devices, combined with a strong partnership with PHOTONIS, a leader in photo-sensors for detection, imaging and amplification of low light.

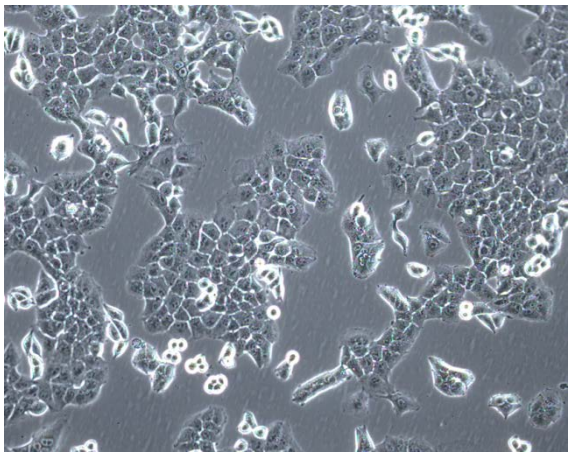
- ➔ *Learn more about Incellis*
- ➔ *Discover the video*

InCellis' sample pictures :



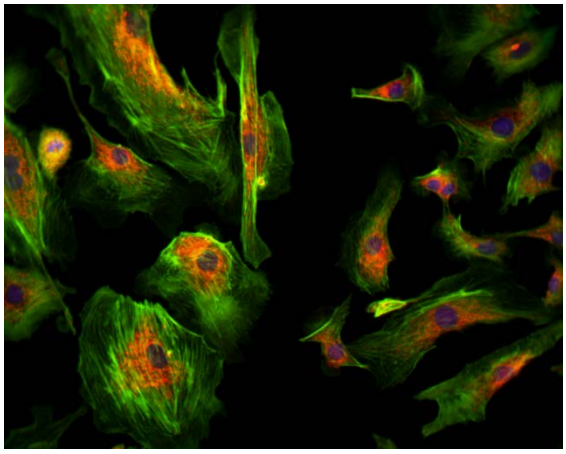
TRANSFECTION EFFICIENCY "IN THE FLASK"

Slide of mouse placenta (PAS, HE and MAS staining), imaged with 20X LWD Fl/Ph objective



CELL PROLIFERATION STUDY

A549 cell culture imaged in phase contrast with 20X LWD Fl/Ph objective



MULTI-CHANNEL CELLS IMAGING

FluoCells® Prepared Slide #1 (BPAE cells with MitoTracker® Red CMXRos, Alexa Fluor® 488 Phalloidin, and DAPI) imaged with 40X LWD Fl/Ph objective

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ABOUT BERTIN TECHNOLOGIES

BERTIN TECHNOLOGIES, CNIM Group subsidiary, relies on its long history of innovative engineering to develop, produce and market innovative systems and equipment worldwide. With close to €90M in turnover in 2015 and now nearly 750 partners, of which 2/3rd are engineers and high-level managers, the group works in four major fields: Systems and Instrumentation, Consulting and Engineering including a substantial part devoted to risk management and ergonomics, Information Technology and Pharmaceuticals and Biotechs. Based in Paris region, the group is highly active worldwide.
www.bertin-technologies.com

Its leading instrumentation activity is represented through the brand **BERTIN INSTRUMENTS**.
BERTIN INSTRUMENTS solutions and teams are dedicated to innovative measurement and sampling for key worldwide markets, such as:
• Lab Equipment (sample preparation, air sampler, cell imaging)
• Nuclear Instrumentation (radon professional monitoring, environmental radiation monitoring systems, radiation portal monitors, health physics)
• Defence, Security and Safety (gas detection, optronics)
Its R&D people also provides on-demand technology systems and turnkey integrated solutions under harsh environment or industrial constraints.
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A COMPANY MEMBER OF CNIM GROUP

CNIM designs and builds turnkey high-tech industrial facilities and provides expertise, service and operations support in the environment, energy, Defence and industrial sectors. CNIM leads projects and sells equipment worldwide. CNIM relies on stable family ownership, which underwrites its development. The Group has 3,000 employees with revenues in 2015 of €727.0 million, of which exports accounted for 61.3%. CNIM is quoted on Euronext Paris.
www.cnim.com

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