

## Press Release

FOR IMMEDIATE RELEASE

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### New Product

## **RESOLUTION Spectra Systems introduces ProCellics™**

### First Bioprocess Raman Analyzer

**Grenoble, FRANCE, November 17, 2016** – RESOLUTION Spectra Systems announces the worldwide release of ProCellics™. ProCellics™ is the first Bioprocess Raman Analyzer for the biopharmaceutical industry fully dedicated to in-line monitoring of the critical metabolites and nutrients during upstream processes, in order to maintain an optimal development of mammalian cell culture in bioreactors. ProCellics™ measures the concentration of glucose, lactate, glutamine, glutamate, ammonium, total cell density and viable cell density.

Thanks to ProCellics™, it is now possible to implement a GMP Process Analytical Technology solution for upstream processes!

ProCellics™ responds to the following biopharmaceutical industry unsatisfied needs:

- Better understand cell culture processes
- Improve quality control of the final product by implementing Quality by Design (QdB)
- Enhance batch yield and prevent batch failure
- Speed up process development, scale-up and transfer to production
- Fulfill regulatory requests

For more information on ProCellics™, please visit:  
[www.resolutionspectra.com/products/procellics](http://www.resolutionspectra.com/products/procellics)

**RESOLUTION Spectra Systems**  
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## About RESOLUTION Spectra Systems

Founded in 2011, RESOLUTION Spectra Systems is a French 14-employee start-up company based in the Grenoble area, one of Europe's leading high-technology centers. Since 2012 it has been offering innovative optical instruments and sensors for the laser characterization and structure control markets. Based on groundbreaking technologies, those instruments offer a high level of performance, compactness, portability and usability. As of 2016, RESOLUTION Spectra Systems has been targeting the process analytics market for the biopharmaceutical industry, leveraging its cutting-edge technology thanks to skills in biotechnologies and chemometrics.



**Image 1:** ProCellics™ – New Bioprocess Raman Analyzer

**Link:** [www.resolutionspectra.com/products/procellics](http://www.resolutionspectra.com/products/procellics)