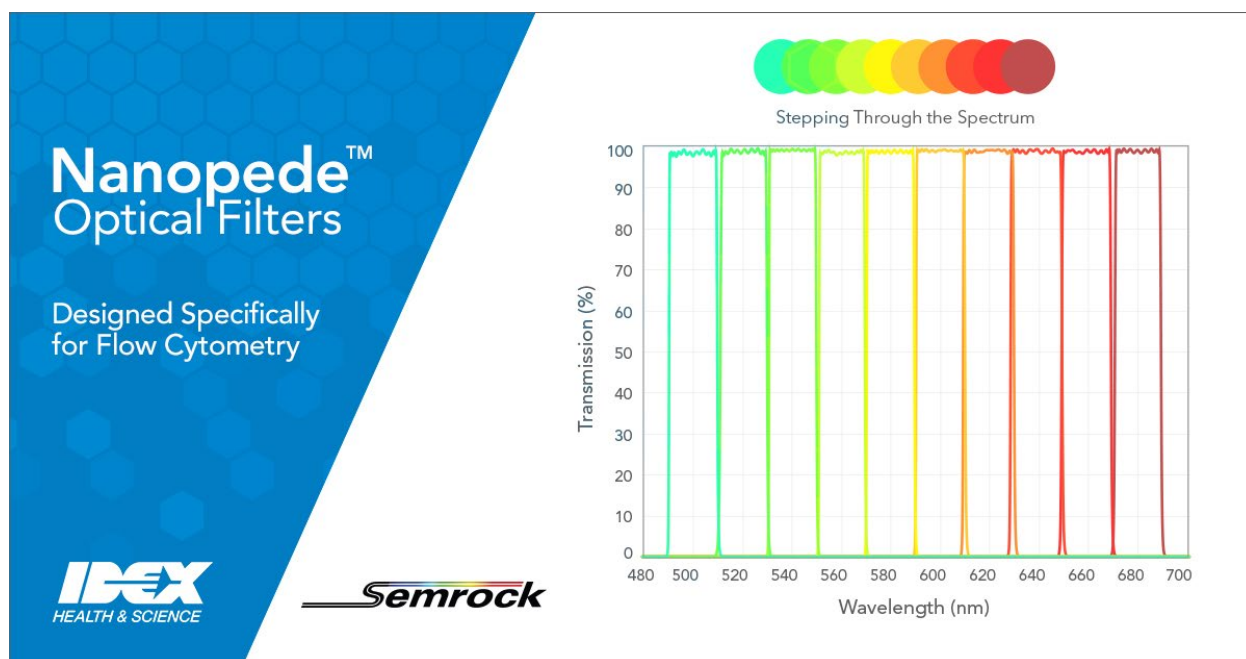


## TITLE: IDEX Health & Science Launches Flow Cytometry Optical Filters



### PRESS RELEASE FOR IMMEDIATE RELEASE

For further information, please contact:

E-mail: [IHSMarketing@idexcorp.com](mailto:IHSMarketing@idexcorp.com)

Rochester, New York, February 27, 2023 – IDEX Health & Science (IH&S) has launched the new Semrock® line of Nanopede™ Optical Filters specifically designed for flow cytometry applications.

“I’m excited for our flow cytometry and fluorescence detection customers,” said Elizabeth Bernhardt, PhD, Application Scientist, “because Nanopede spans the spectrum in a way that offers their instruments flexibility to meet the fluorescence marker innovations both now and in the future.”

Flow cytometry interrogates cells through scattered light measurements and fluorescent markers. In spectral flow cytometry, the fluorescence is collected across the entire spectrum using discrete, back-to-back (spectrally adjacent) optical filters. Then the photons are binned such that spectral unmixing can resolve which fluorescent markers are present in the interrogated cell. As such, spectral flow cytometry requires filters covering the UV, visible, and NIR in discrete steps, which may lead to a desire to balance instrument cost and optical filter performance.

IDEX Health and Science understands these needs, and we are proud to announce our latest Semrock-branded optical filter family, which covers the visible spectrum in 20

nm Full-Width, Half-Max (FWHM) steps. The first ten filters in the Nanopede family have been designed with your application in mind and are just the beginning of our evolving flow cytometry product line to match the rapidly developing flow cytometry market. Our team understands that each flow cytometry instrument is different, partner with us on custom optical filters to meet your specific application needs.

**[Learn More About Stepping Through the Spectrum with Nanopede](#)**

## **About IDEX Health & Science, LLC**

IDEX Health & Science, LLC is the global leader in life science fluidics, microfluidics, and optics, offering a three-fold advantage to customers by bringing optofluidic paths to life with strategic partnerships, solutions, and expertise. As one of the few companies in the world with component, sub-system, and application level experts, IDEX Health & Science helps instrument developers solve the most demanding fluidic and optical challenges in a wide array of applications. At IDEX Health & Science we believe partnership will change the way the world innovates, leading to new technologies that improve our health, protect our planet, and enrich our lives. For more information visit: [www.idex-hs.com](http://www.idex-hs.com)